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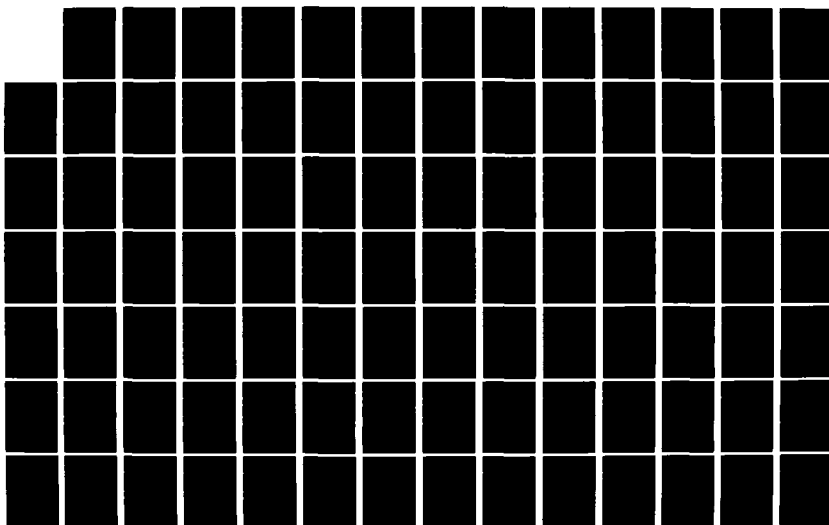
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 62F
LIFTING AND LOADING EQU. (U) DEFENSE LANGUAGE INST
LACKLAND AFB TX ENGLISH LANGUAGE CENTER. 11 APR 79

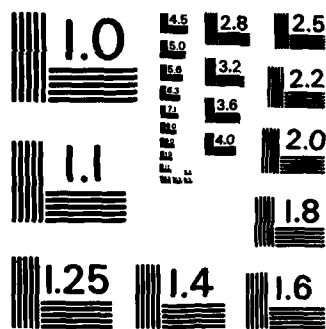
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JOB LANGUAGE PERFORMANCE REQUIREMENTS
FOR 62F

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LIFTING AND LOADING EQUIPMENT OPERATOR

REFERENCE SOLDIER'S MANUAL DATED

11 April 1979

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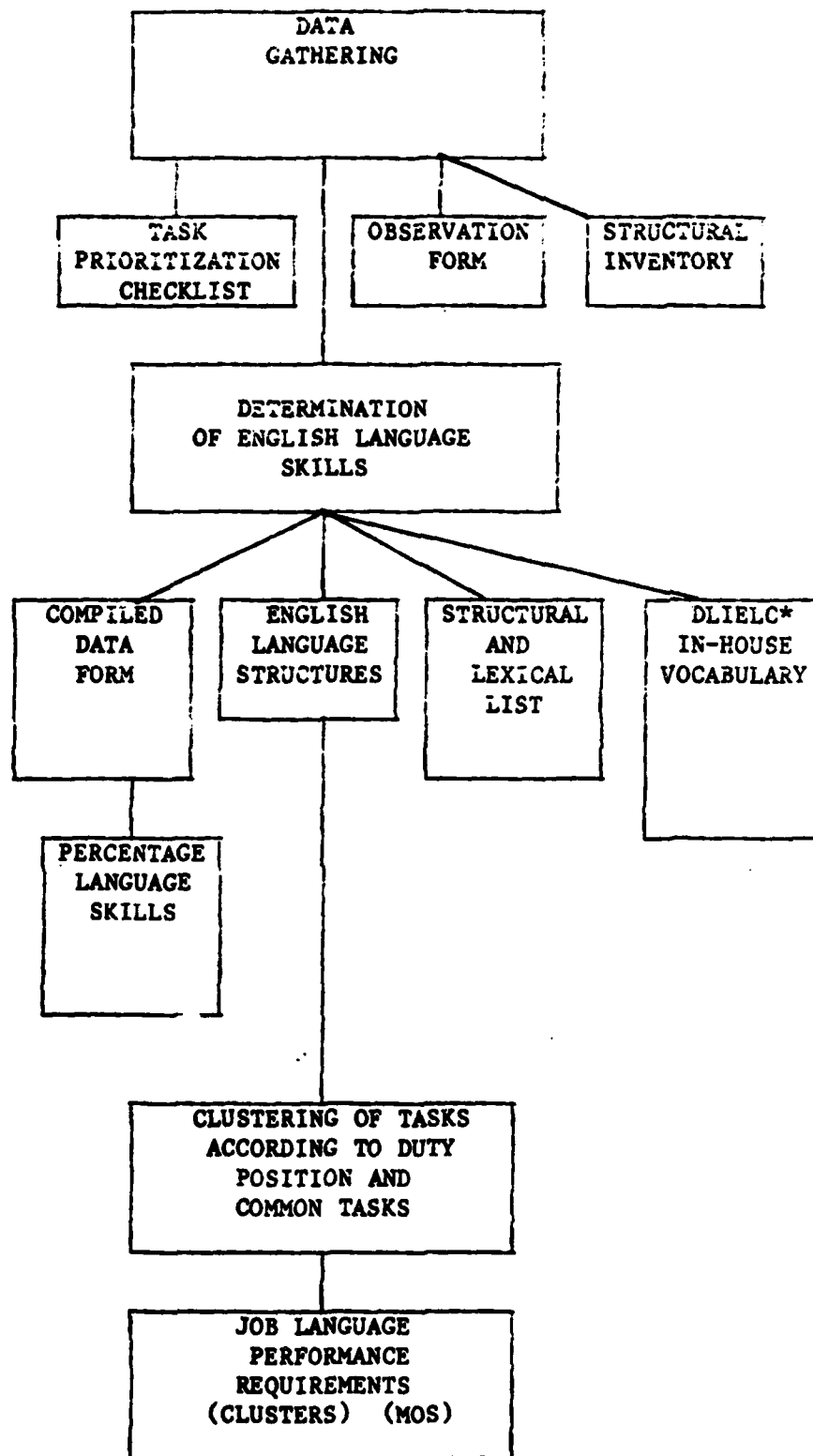


FIGURE 1

*Defense Language Institute English Language Center

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Job Language Performance Requirements (JLPR) study was conducted to determine language tasks the soldier must do in studying/performing job tasks. The language skills (listening, reading, writing, speaking) required to learn each Army job task were identified, conditions studied and standards determined. The data that generated the JLPR is identified.		

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3. Percentage Language Skills
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PREFACE

INSTRUCTIONS FOR REVIEW OF JOB LANGUAGE PERFORMANCE REQUIREMENTS

This report is organized in six main sections. Sections I-IV discuss methods, forms and rationale for gathering, organizing and analyzing research data used to develop Job Language Performance Requirements (JLPR). Please look through these sections to get a general understanding of the background underlying the JLPR. Sections V and VI are the major substantive portions of the analysis. They are the results of the analysis and constitute the basis for development of any MOS-oriented English language materials. Section V contains the JLPR by cluster/topic, while Section VI contains the JLPR covering the entire range of clusters/topics.

The appendices, one through eight, contain all the information used to determine the Job Language Performance Requirements. Please write any suggestions or changes directly on the document or attach additional notes, if necessary.

The points covered in the six major sections are supported in greater detail in eight appendices. Below is an overview of these appendices.

Appendix one contains the Task Prioritization Checklist. It was taken to the field to collect the raw data. This form was approved for use by the Department of the Army.

Appendix two contains the Task Inventory Compiled Data Form. It was used to organize data from Unit and AIT respondents.

Appendix three defines the language skills by percentage. This form includes computations of language skills for each task cluster.

Appendix four contains the Observation Form used in the recording of types of listening and speaking skills required, as seen by observers, in the learning and performing of a task. The variety of environmental situations is also included on this form.

Appendix five contains the final list of structural and lexical items found through data gathering and organization.

Appendix six contains the DLIELC in-house vocabulary list. This is a task by task listing of the vocabulary extracted from the Soldier's Manual.

Appendix seven contains the machine-generated vocabulary for this MOS prepared by the United States Army Training and Doctrine Command (TRADOC), Fort Monroe, Virginia.

Appendix eight contains the list of structural and lexical items requisite to this MOS.

Thank you for your cooperation. It is greatly appreciated.

SECTION I

DATA GATHERING

INTRODUCTION

This section discusses the procedures and forms in the gathering of data used to determine the Job Language Performance Requirements for this MOS.

SECTION I: DATA GATHERING

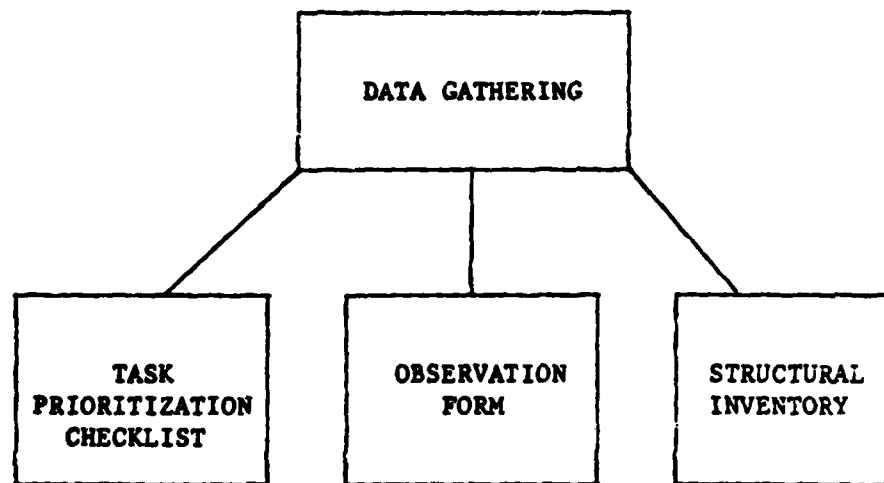


FIGURE 2

In order to establish Job Language Performance Requirements for this MOS the curriculum development specialists at the Defense Language Institute English Language Center (DLIELC) analyzed the current learning and working situations, and individual tasks. The goal was to collect data which would help identify the Job Language Performance Requirements pertinent to this MOS.

To conduct this analysis, training specialists visited the AIT School and Unit cadre. Interviews were conducted using a Task Prioritization Checklist, (Appendix 1). For each task, first-line supervisors answered the following questions:

1. Is the task taught?
2. How is the task taught?
3. Is the task tested?
4. How is the task tested?
5. How important are speaking, listening, reading and writing in learning and performing the task?
6. What are the results of poor performance in performing the task.

Additional data were gathered through use of an Observation Form and an analysis of language structures in the Soldier's Manual for this MOS.

The Observation Form (Appendix 4) was used to record actual observations of the learning situations, populations, tasks, and language.

The lexical and structural analysis was done by a panel of language specialists who first listed all structures found in the Soldier's Manual for this MOS and then all structures, standard and non-standard, noted on the Observation Forms for all vocabulary from the Soldier's Manual. All lists were then combined into an overall lexical and structural inventory.

SUMMARY/CONCLUSION:

The tools for data gathering were:

1. The Task Prioritization Checklist (Appendix 1)
2. The Task Inventory Compiled Data Form (Appendix 2)
3. The Observation Form (Appendix 4)
4. A Structural and Lexical Inventory (consisting of rough drafts of all vocabulary and structures in this MOS).

These tools were used to form the data pool from which the Job Language Requirements were determined.

SECTION II

DETERMINATION OF ENGLISH LANGUAGE SKILLS

INTRODUCTION

This section discusses the organization of the raw data into information used to determine the English language skills pertinent to this MOS.

SECTION II: DETERMINATION OF ENGLISH LANGUAGE SKILLS

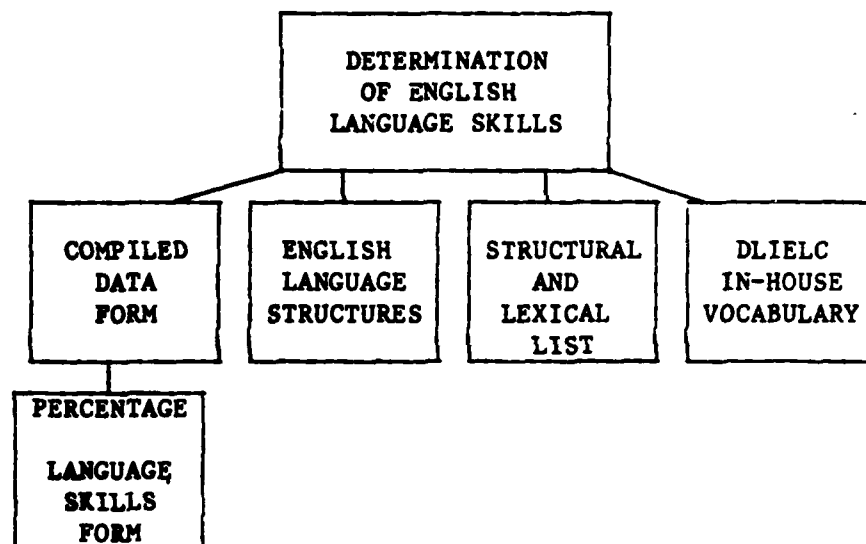


FIGURE 3

The raw data collected as described in Section II above was used to determine the English Language skills which the soldier must learn to learn and perform the task. The Compiled Data Form, Appendix 2, was used to organize the observation and analysis data. Selected information from the Task Prioritization Checklist was recorded directly on this form. Specifically three variables were used to determine the language skills involved. They were:

1. Methods of teaching.
2. Methods of testing.
3. The actual respondents' ratings of the four English language skills.

From each of the three variables the following skills were determined:

VARIABLE	ENGLISH LANGUAGE SKILLS
Methods of Teaching demonstration lecture hands on self-paced	listening, listening, writing listening reading, writing

Methods of Testing performance oral written	listening speaking writing, reading
Rating of English Language Skills listening speaking reading writing	*a response of 2 or 3 on a scale of 1 to 3 was tallied a response of 1, 2, or 3 on a scale of 1 to 5 was tallied

*See A1

In order to determine the relations of the various skills in the MOS, data from the three variables were tallied on the Percentage Language Skills Form. An average was then found using the following formula:

$$TR \div TxVxR = \% \text{ of use}$$

T = total number of tasks per cluster

V = language skill variable per cluster**

R = maximum number of respondents in any task in that cluster

TR = total tally of responses per task per skill

% of use = use of the language skill in the task

Percentages found in this MOS were:

Listening	41%
Speaking	27%
Reading	11%
Writing	16%

As shown by the figures, listening is the most important skill in this MOS. However, in particular duty sections, percentages varied. Appendix 3, the Percentage Language Skills Form, shows the actual skill percentages in each duty position.

**See A3

Organization of structural and lexical items was done by comparing a structural and lexical list extracted from the Soldier's Manual with a structural inventory list extracted from ALC (American Language Center) materials through Volume 2400, at the end of which a trainee is normally qualified for Specialized English Technical Terminology training. By comparing the lists redundancies were eliminated, leaving the final list of structural and lexical items indicated by grammatical title in Appendix 5.

SUMMARY/CONCLUSION:

Organization of the data included the recording of responses on the Task Inventory Compiled Data Form, use of the Percentage Language Skills Form, and the DLIELC in-house structural analysis list. Skills were analyzed by duty section. The actual lexical items in this MOS were grouped and listed task by task. This information was then used to determine the specific Job Language Performance Requirements.

SECTION III

CLUSTERING OF COMMON AND DUTY POSITION TASKS

INTRODUCTION

Due to the overlapping of certain elements among the various MOS, tasks were clustered in order to prevent duplication of effort for each MOS.

This section contains a listing of the clusters for this MOS.

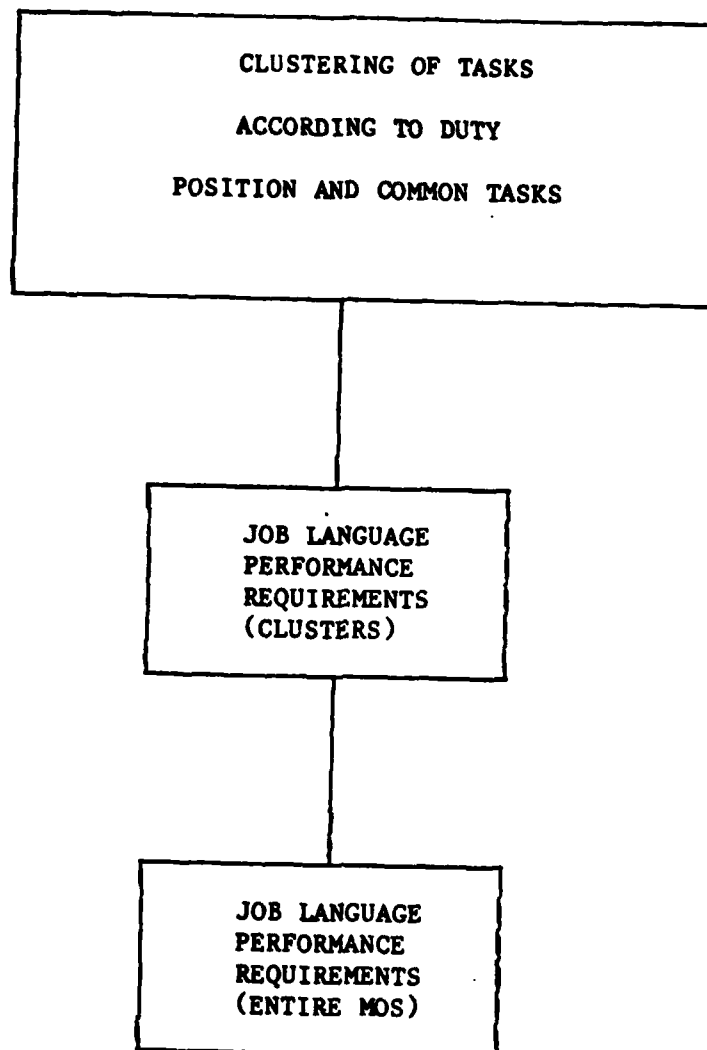


FIGURE 4

SECTION III: CLUSTERING OF COMMON AND DUTY POSITION TASKS

Clustering was done by using the common and duty position tasks in the Soldier's Manual

The following clusters are in this MOS:

1. FIRST AID
2. NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS
3. INDIVIDUAL FITNESS
4. BASIC INDIVIDUAL TECHNIQUES
5. CAMOUFLAGE
6. SECURITY AND INTELLIGENCE
7. COMMUNICATIONS
8. LAND NAVIGATION
9. M16A1 RIFLE
10. LIGHT ANTITANK WEAPON (LAW)
11. GRENADES
12. MINES
13. WHEELED VEHICLE OPERATIONS
14. LEADERSHIP
15. .50 CALIBER MACHINEGUN
16. M60 MACHINEGUN
17. RIGGING
18. CRANE OPERATION
19. FORKLIFT OPERATION
20. CLAMSHELL OPERATIONS
21. SHOVEL FRONT OPERATIONS
22. DRAGLINE OPERATIONS
23. BACKHOE OPERATIONS

SECTION IV

JOB LANGUAGE PERFORMANCE REQUIREMENTS

INTRODUCTION

This section discusses the format for the Job Language Performance Requirements.

SECTION IV: JOB LANGUAGE PERFORMANCE REQUIREMENTS

The format for the Job Language Performance Requirements is:

TASK:
CONDITION:
STANDARD:

A: TASK

The Job Language Performance Requirements state the language tasks the soldier must do in studying/performing specific MOS job tasks. A task addressing language would be one of reading, listening, speaking or writing. Job tasks, as seen in the Soldier's Manual, are those which pertain to the soldier's duties. To write these as language tasks required the following explanations of what the soldier would speak, read, listen and write. Below are the kinds of explanations that had to be made in this MOS.

SPEAKING

Produces oral utterances to report/inform/explain/elicit response/respond.

Analysis of this MOS indicates verbal reports entailing those activities directly related to the soldier's job tasks.

The speaking act to respond or elicit response in this MOS is an oral response to a command or visual signal.

Speaking to explain involves situations of instruction in any training situation.

Speaking to inform involves producing oral utterances to communicate necessary information.

READING

Read for information/to learn.

Printed and written materials are used throughout this MOS. The soldier is expected to read technical manuals, field manuals, soldier's manual, written communication and audio-visual aids. Content of these materials is presented in formats and styles ranging from simple factual words or sentences to complex passages containing highly technical vocabulary, often with ellipsis. The purpose is to teach the student, so the student reads them to learn. Reading to learn involves reading names, attributes, information, procedures, explanations of how systems work, concepts, vocabulary terms, and definitions which are committed to short or long term memory for immediate or later recognition.

Basically, the soldier will use these reading materials to supplement what is stated in a lecture by integrating the information from the different texts or written communiques into his understanding of the previous lecture.

The soldier must develop the ability to understand the words in context, to read in thought units, and then select and understand the main ideas. The soldier must retain, apply, and integrate these ideas with past experience to use in his MOS.

Reading to learn, then, is a synthesis. What is read is to be retained in memory for integration in new experiences.

Reading for information, on the other hand, is quite different. The read material is to be retained only in short term memory, used for a specific purpose (i.e., look up a metric equivalent of 37 pounds) and then forgotten.

LISTENING

Listen to oral information to learn/to report.

In this MOS, lecture is a main method of instruction. The lecture is often supplemented by a demonstration. The soldier listens to the lecture to learn data pertinent to the task. Analysis of lecture presentations indicated many language variables. The soldier hears sub-standard usages, various registers of style and formality, colloquialisms, even profanity, in situations ranging from a barracks to a field. The soldier must differentiate between the types of language functions. Is it expression, exchange, description, explanation, argumentation, persuasion, statement, request, or order? The oral information may be directly from the speaker and/or indirectly such as over the telephone, radio, TV, or tape. The soldier must organize and gain meaning from what is heard. Out of all these variables, the soldier must identify or infer the main ideas or major points.

Analysis of this MOS did not and could not specify all types of spontaneous language the soldier would be exposed to. The POI, though, does show the general form of the constrained oral language the soldier must listen to in order to learn the task.

B. CONDITIONS

The condition is what the soldier will be given in order to do the task. For the MOS job, the soldier is given paper, pencil, and printed materials. For language purposes, he will be given certain structural and lexical features as found through the data gathering and organizing from interviews and observations. Again, for the job that the soldier will be given, the material may be under normal working conditions, though other conditions may be added such as with or without protective gear or in darkness.

The soldier will read lists, tables, procedures, checklists or signs, and will hear scenarios, lectures, explanations, and commands. Therefore, these are listed with the Job Language Performance Requirements as possible conditions.

C. STANDARDS

The standard for our purpose is 100%. A standard for understanding or speaking cannot be tested as saying the soldier will disassemble a .45 caliber pistol in eight minutes. Because of this, 100% understandable speech or 100% legibility is used as a reference.

SUMMARY/CONCLUSION:

The Job Language Performance Requirements including tasks, conditions, and standards, were first written for each task cluster. The clusters were then combined into the Job Language Performance Requirements for the entire MOS.

SECTION V

JOB LANGUAGE PERFORMANCE REQUIREMENTS (CLUSTERED)

INTRODUCTION

Sections I, II, III, and IV described how Job Language Performance Requirements were identified and constructed.

This section contains the Job Language Performance Requirements for each task cluster pertinent to this MOS.

FIRST AID

I. PERCENTAGE LANGUAGE SKILLS

Listening	55%
Speaking	49%
Reading	16%
Writing	28%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Listen to respond
CONDITIONS:	Given a medical scenario involving simple questions about an illness in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce oral utterances to explain
CONDITIONS:	Given a simple medical scenario requiring an oral interpretation in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, procedures, tables and explanations
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to produce a written report
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1001	Apply the four life saving measures
051-191-1002	Apply first aid measures for burns
051-191-1003	Apply preventive measures to reduce climatic injuries
051-191-1005	Administer artificial respiration
051-191-1006	Immobilize fractures
051-191-1007	Perform first aid for special wounds

NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	52%
Speaking	34%
Reading	15%
Writing	24%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn
CONDITIONS: Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Listen to perform
CONDITIONS: Given oral warnings or verbal commands regarding simulated NBC situations (scenarios) in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral utterances

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Produce oral utterances to inform and respond
CONDITIONS: Given NBC situations requiring oral alarms
STANDARDS: 100% understandable oral utterances

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of procedures, captioned illustrations and notations defined as explanations
STANDARDS: 100% understanding of printed content

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of procedures, captioned illustrations and notations defined as explanations
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given a requirement to produce a written report
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1031	Maintain protective mask and accessories
051-191-1032	Put on a protective mask
051-191-1033	Take cover as protection against NBC hazards
051-191-1034	Decontaminate self and individual equipment
051-191-1035	Administer antidote to a nerve agent casualty
051-191-1036	Apply artificial respiration to a chemical agent casualty
051-191-1037	Determine personal needs and personal hygiene in a chemical environment
051-191-1038	Identify NBC hazards and take appropriate actions

INDIVIDUAL FITNESS

I. PERCENTAGE LANGUAGE SKILLS

Listening	62%
Speaking	30%
Reading	13%
Writing	13%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, manuals, charts, captioned illustrations and explanations
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

051-191-1061	Maintain individual physical fitness appropriate to unit mission
--------------	--

BASIC INDIVIDUAL TECHNIQUES

I. PERCENTAGE LANGUAGE SKILLS

Listening	23%
Speaking	16%
Reading	7%
Writing	9%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, warnings, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given the requirement to complete forms
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1063	Employ field hygiene and sanitation measures
051-191-1245	Estimate range
051-191-1364	Construct individual defensive positions
051-191-1365	Clear fields of fire
051-191-1366	Select temporary battlefield positions
051-191-1462	Engage hostile aircraft with individual weapon
051-191-1402	Move as a member of a fire team
051-191-1403	Move under direct fire
051-191-2398	Control rate and distribution of fire
051-191-2425	Control fire team movement

CAMOUFLAGE

I. PERCENTAGE LANGUAGE SKILLS

Listening	47%
Speaking	25%
Reading	1%
Writing	17%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Produce oral utterances to inform
CONDITIONS: Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of instructions, charts, captioned illustrations, explanations and procedures
STANDARDS: 100% understanding of printed content

III. TASK NUMBERS AND TITLES

051-191-1361	Camouflage/conceal self and individual equipment
051-191-1362	Camouflage/conceal equipment
051-191-1363	Camouflage/conceal defensive positions

SECURITY AND INTELLIGENCE

I. PERCENTAGE LANGUAGE SKILLS

Listening	35%
Speaking	33%
Reading	8%
Writing	15%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Listen to orally interact
CONDITIONS: Given oral challenges, passwords and scenarios in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral information

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Produce spontaneous oral utterances to interact
CONDITIONS: Given the requirement to orally respond to challenges, passwords and security situations in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of procedures, tables and warnings
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given the requirement to complete forms and produce written reports
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1091	Use challenge and password
051-191-1095	Process known or suspected enemy personnel
051-191-1096	Collect/report information - SALUTE
051-191-1097	Identify threat vehicles
051-191-1098	Perform guard duty
051-191-1099	Practice noise, light and litter discipline

COMMUNICATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	60%
Speaking	50%
Reading	33%
Writing	38%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn
CONDITIONS: Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral utterances

TASK: Listen to perform
CONDITIONS: Given a brief oral message including prowords in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral content

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Produce oral utterances over radiotelephone
CONDITIONS: Given the requirement to orally communicate using the phonetic alphabet in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of instructions, captioned illustrations and sample messages using prowords
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given a requirement to complete communication forms and logs
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1521 Communicate, using proper radiotelephone procedures

LAND NAVIGATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	42%
Speaking	25%
Reading	16%
Writing	18%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of marked maps, definitions, captioned illustrations, instructions and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CCNDITIONS:	Given a requirement to record the grid reference
STANDARDS:	100% legible written content

III. TASK NUMBERS AND TITLES

051-191-1481	Identify terrain features (natural and manmade) on the map
051-191-1493	Determine distance while moving between two points on the ground

051-191-2482 Determine an azimuth
051-191-2483 Locate a point on a map
051-191-2484 Navigate, using a compass
051-191-2485 Navigate, using a map
051-191-2486 Measure ground distance
051-191-2487 Orient a map, using a compass
051-191-2488 Determine a location on the ground
051-191-2489 Determine the elevation of a point on the ground, using
a map
051-191-2490 Orient a map to the ground by map-terrain association
051-191-2491 Locate an unknown point on a map or the ground by in-
tersection
051-191-2492 Locate an unknown point on a map or on the ground by
resection

M16A1 RIFLE

I. PERCENTAGE LANGUAGE SKILLS

Listening	51%
Speaking	35%
Reading	6%
Writing	13%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, captioned illustrations, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of a range card
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to complete a range card
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1181	Maintain an M16A1 rifle, magazines, and ammunition
051-191-1182	Load and unload an M16A1 rifle magazine
051-191-1183	Load, reduce a stoppage, unload, and clear an M16A1 rifle
051-191-1184	Zero an M16A1 rifle
051-191-1185	Engage targets with an M16A1 rifle
051-191-1186	Prepare and use aiming and firing stakes for the M16A1 rifle

LIGHT ANTITANK WEAPON (LAW)

I. PERCENTAGE LANGUAGE SKILLS

Listening	58%
Speaking	33%
Reading	2%
Writing	14%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Produce oral utterances to inform and respond
CONDITIONS: Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of procedures, descriptions, tables and SOPs
STANDARDS: 100% understanding of printed content

III. TASK NUMBERS AND TITLES

051-191-1241	Prepare an M72A2 LAW for firing; restore M72A2 LAW to carrying configuration
051-191-1242	Engage targets with an M72A2 LAW
051-191-1243	Apply immediate action to correct a malfunction on an M72A2 LAW

GRENADES

I. PERCENTAGE LANGUAGE SKILLS

Listening	33%
Speaking	23%
Reading	4%
Writing	9%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Listen for information
CONDITIONS:	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral information
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of warnings, procedures, definitions, captioned illustrations and references
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

051-191-1302 Engage enemy targets with hand grenades

V-18-62F

051-191-1211	Maintain an M203 grenade launcher and ammunition
051-191-1212	Load, unload, and clear an M203 grenade launcher
051-191-1213	Zero an M203 grenade launcher
051-191-1214	Engage targets with an M203 grenade launcher and apply immediate action to reduce a stoppage
051-191-1215	Prepare and use aiming and firing stakes for the M203 grenade launcher

MINES

I. PERCENTAGE LANGUAGE SKILLS

Listening	25%
Speaking	22%
Reading	8%
Writing	10%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of warnings, procedures, definitions, captioned illustrations and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to mark mine fields
STANDARDS:	100% understandable and legible written communication

III. TASK NUMBERS AND TITLES

051-192-1002	Install the M16A1 bounding antipersonnel mine with and without tripwires
051-192-1003	Install the M18A1 fragmentation antipersonnel mine (Claymore) with and without tripwires

051-192-1005	Install the M26 antipersonnel mine with and without tripwires
051-192-1008	Install the M21 metallic antitank (AT) mine
051-192-1012	Disarm the M16A1 bounding antipersonnel mine equipped with and without tripwires
051-192-1013	Disarm the M18A1 fragmentation antipersonnel mine (Claymore) equipped with and without tripwires
051-192-1015	Disarm the M26 antipersonnel mine equipped with and without tripwires
051-192-1018	Disarm the M21 metallic antitank mine
051-192-1021	Locate mines by visual means
051-192-1022	Locate mines by probing
051-192-1025	Neutralize enemy mines
051-192-1027	Install the M15 heavy antitank mine
051-192-1028	Disarm the M15 heavy antitank mine

WHEELED VEHICLE OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	54%
Speaking	29%
Reading	24%
Writing	21%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn
CONDITIONS: Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given the requirement to complete forms and vehicle log-books
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1621 Perform operator maintenance on a wheeled vehicle

LEADERSHIP

I. PERCENTAGE LANGUAGE SKILLS

Listening	33%
Speaking	19%
Reading	5%
Writing	11%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce spontaneous oral utterances to interact
CONDITIONS:	Given situations requiring inspections, supervision and counseling in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete forms and produce written reports
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-2541	Inspect personnel/equipment
051-191-2542	Supervise maintenance on individual and TOE equipment
051-191-2544	Supervise subordinates
051-191-2547	Prepare the raters section of an enlisted evaluation report (EER)
051-191-2548	Solve leadership problems

.50 CALIBER MACHINEGUN

I. PERCENTAGE LANGUAGE SKILLS

Listening	39%
Speaking	13%
Reading	0%
Writing	11%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Produce oral utterances to inform
CONDITIONS: Given a requirement to give a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of captioned illustrations, procedures and references
STANDARDS: 100% understanding of printed content

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of a range card
STANDARDS: 100% understanding of printed content

III. TASK NUMBERS AND TITLES

051-191-1204	Maintain a caliber .50 machinegun and ammunition
051-191-1205	Target/confirm targeting on a caliber .50 machinegun

051-191-1206 Load, reduce stoppage, unload, and clear a caliber .50
machinegun
051-191-1207 Engage targets with a caliber .50 machinegun
051-191-1208 Set headspace and timing on a caliber .50 machinegun

V-25-62F

HU

M60 MACHINEGUN

I. PERCENTAGE LANGUAGE SKILLS

Listening	46%
Speaking	36%
Reading	2%
Writing	13%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to answer in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of requirements, captioned illustrations and labels
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of a range card
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to complete a range card
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1192	Load, reduce a stoppage, unload, and clear an M60 machinegun
051-191-1196	Maintain an M60 machinegun and ammunition
051-191-1193	Engage targets with an M60 machinegun
051-191-1194	Use aiming and firing stakes for the M60 machinegun
051-191-1195	Construct M60 machinegun position
051-191-1197	Zero an M60 machinegun
051-191-1198	Prepare a range card for an M60 machinegun

RIGGING

I. PERCENTAGE LANGUAGE SKILLS

Listening	38%
Speaking	22%
Reading	6%
Writing	9%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of instructions and captioned illustrations
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given the requirement to complete forms
STANDARDS: 100% legible written content

III. TASK NUMBERS AND TITLES

051-200-1001	Tie knots and lashings
051-200-1002	Reeve simple tackle systems

CRANE OPERATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	44%
Speaking	25%
Reading	23%
Writing	24%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce oral utterances to inform
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete forms
STANDARDS:	100% legible written content

III. TASK NUMBERS AND TITLES

051-255-1001	Perform before-operation services on the crane
051-255-1002	Perform during-operation checks on the crane
051-255-1003	Perform after-operation services on the crane
051-255-1004	Perform before-operation services on the crane carrier
051-255-1005	Perform during-operation checks on the crane carrier
051-255-1006	Perform after-operation services on the crane carrier
051-255-1007	Perform a 10-hour lubrication
051-255-1008	Communicate with hand and arm signals
051-255-1009	Perform maintenance of wire rope
051-255-1010	Construct a sling

051-255-1011	Lift, swing, and lower a load with a hydraulic crane hook block
051-255-1012	Lift, swing, and lower a load with a mechanically operated crane hook block
051-255-1013	Perform clamshell operations
051-255-1015	Perform shovel front operations
051-255-1017	Perform pile driving operations
051-255-1018	Perform dragline operations
051-255-1020	Perform backhoe operations
051-255-1022	Install the hook block
051-255-1023	Install the boom extension
051-255-1024	Install the clamshell attachment
051-255-1025	Install the dragline attachment
051-255-1026	Install the backhoe attachment
051-255-1027	Install the shovel attachment
051-255-1028	Install the pile driver attachment

FORKLIFT OPERATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	45%
Speaking	26%
Reading	20%
Writing	26%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce oral utterances to inform
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete forms
STANDARDS:	100% legible written content

III. TASK NUMBERS AND TITLES

051-255-1029	Perform before-operation services on the forklift
051-255-1030	Perform during-operation checks on the forklift
051-255-1031	Perform after-operation services on the forklift
051-255-1032	Tier and untier palletized loads
051-255-1033	Perform materials handling of unpalletized loads
051-255-1034	Calculate safe working capacity of selected rigging materials

CLAMSHELL OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	58%
Speaking	28%
Reading	22%
Writing	25%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce oral utterances to inform
CONDITIONS: Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given the requirement to complete forms
STANDARDS: 100% legible written content

III. TASK NUMBERS AND TITLES

051-255-2014 Perform clamshell operations

SHOVEL FRONT OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	17%
Speaking	17%
Reading	6%
Writing	4%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce oral utterances to inform
CONDITIONS: Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given the requirement to complete forms
STANDARDS: 100% legible written content

III. TASK NUMBERS AND TITLES

051-255-2016 Perform shovel front operations

DRAGLINE OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	17%
Speaking	17%
Reading	6%
Writing	4%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce oral utterances to inform
CONDITIONS: Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given the requirement to complete forms
STANDARDS: 100% legible written content

III. TASK NUMBERS AND TITLES

051-255-2019 Perform dragline operations

BACKHOE OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

- Listening	17%
- Speaking	17%
- Reading	6%
- Writing	4%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce oral utterances to inform
CONDITIONS: Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral utterances

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given the requirement to complete forms
STANDARDS: 100% legible written content

III. TASK NUMBERS AND TITLES

051-255-2021 Perform backhoe operations

SECTION VI

JOB LANGUAGE PERFORMANCE REQUIREMENTS (Entire MOS)

INTRODUCTION

This section contains language tasks for each generic skill for this MOS. Listed below each task are the types of receptive or productive language activity involved.

LISTENING

TASK: Understand oral language intended to inform or instruct.

CONDITIONS: Given explanations, procedures, rules, instructions or definitions in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5 & 6)

STANDARDS: 100% understanding and assimilation of presented oral language task.

The following are specific conditions found in this language task:

Warnings
Described situations
Directions
Lectures
Commands, Orders
Sound tracks (films, tapes)
Standard/Non-standard English
Instructions
SQT questions

TASK: Understand spontaneous oral language or language via a technical medium - such as a radio telephone - intended to inform and elicit responses.

CONDITIONS: Given scenarios, questions, commands or requests in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5, & 6)

STANDARDS: 100% understanding and assimilation of oral language in order to apply and respond.

The following are specific conditions found in this language task:

Shouting
Radio communications
Coded messages
Spellings
Conversation
Requests

SPEAKING

- TASK:** Formulate and produce appropriate oral responses spontaneously.
- CONDITIONS:** Given any verbal stimulus in the form of questions, scenarios, instructions, or cues in any training situation.
(Appendices 5 & 6)
- STANDARDS:** 100% understandable oral response using correct lexicon and syntax for the training situation.

The following are specific conditions found in the language task:

Explanations
Statements
Repetitions
Counting
Corrections
Assignments
Notifications
Oral reports
Answers
Clarifications
Information

- TASK:** Produce oral utterances to interact and communicate spontaneously or via a technical medium such as radio telephone.
- CONDITIONS:** Given a communicative situation (Appendices 4, 5, & 6 Soldier's Manual) in any training situation.
- STANDARDS:** 100% understandable communication using correct lexicon and syntax for the communication act.

The following are specific conditions found in this language task:

Requesting information
Requesting permission
Transmitting messages
Call signs
Vocal signals
Shout warnings
Radio communications
Target locations
Directions (N,S,E,W)
Directions, general
Requests for fire
Report on the results of fire
Challenges/Passwords
Training sessions
Interaction

READING

TASK: Read MOS training in the form of printed prose or graphic representations in order to learn processes, concepts, vocabulary, definitions and identifications, to calculate problems, intercept codes and complete forms.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex printed form in any training situation.
(Appendices 4, 5 & 6)

STANDARDS: 100% understanding of printed content.

The following are specific conditions found in this language task:
Captions with illustrations.

Lists
Procedures
Information
Definitions
Outlines
Signs
Markers
References
Rules
Maps
Flags
Military Documents
I.D. Papers
Regulations

Extracts
Columns
Indices
Charts
Methods
Technical Vocabulary
Standard Operating Procedures
Cartoons
Problems
Manuals
Graphic Training Aids

TASK: Identify, understand, and interpret written utterances pertinent to MOS training in technical or non-technical language.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex written form in any training situation.
(Appendices 4, 5 & 6)

STANDARDS: 100% understanding of written content.

The following are specific conditions found in this language task:

Lists
Information
Descriptions
Radiation readings off dosimeter
Coordinate scales
Callsigns-suffices
Three-letter codes
Examples
Calculations
Markings
Radio communications
Range cards
Notes
Messages

WRITING

- TASK:** Upon instruction, write in conventional orthography, letter, numbers, words or sentences appropriate to the training situation.
- CONDITIONS:** Given standardized forms, paper or answer sheets and the instructions to list, answer, describe or recall.
- STANDARDS:** 100% syntactical and lexical correctness and legibility of writing which is also appropriate in style and usage to training situations. (Appendix 4)

The following are specific conditions found in this language task:

Ratings
Signatures
Range cards
Data symbols
Answers
Descriptions
Notes
Reports

- TASK:** Write, in conventional orthography, letters, or specialized code, numbers, words or sentences in order to transmit or record information.
- CONDITIONS:** Given standardized forms or paper and oral communication.
- STANDARDS:** 100% syntactical and lexical correctness of writing which can be read by another speaker of English.

The following are specific conditions found in this language task:

Technical forms
Codes
Grid coordinates
Decoded messages
Encoded messages
Logbooks
Plottings
Figures
Reports
Tags
Range cards
Applicable DA forms

APPENDICES

1. Task Prioritization Checklist
2. Task Inventory Compiled Data Forms
3. Percentage Language Skills
4. Observation Form
5. Structural/Lexical list
6. Vocabulary (DLIELC in-house)
7. Vocabulary (machine-generated)
8. English Language Structures

APPENDIX 1

TASK PRIORITIZATION CHECKLIST

This Checklist was approved by the
Department of the Army in 1980.

YOUR CURRENT MOS: _____
(PRESENTLY WORKING IN)

MOS IN WHICH YOU WERE TRAINED: _____
POSITION: _____
UNIT: _____

RATING: 1=low

2= med

3= high

YES

NO

IS TASK
TAUGHT?

LISTENING*

SPEAKING*

READING*

WRITING*

LECTURE

SELF-PACED

DEMONSTRATION

HANDS-ON

YES

NO

IS TASK
TESTED?

WRITTEN

ORAL

PERFORMANCE

PERSON

RESULTS
DANGER
EQUIPMENT

62

APPENDIX 2

TASK INVENTORY COMPILED DATA FORM

This form was used to record data from
the Task Prioritization Checklist.

MOS 62F NUMBER OF RESPONDENTS 4
DATA OBTAINED FROM FR LONARD WOOD TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	difficulty?			written	writing
	tested?			oral	reading
	taught?			performance	speaking
051-791-1001			self-paced		listening
			hands-on		
			demonstration		
051-791-1002			lecture		
051-791-1003					
051-791-1005					
051-791-1006					
051-791-1007					

F-252 A1D

TRAINING SPECIALIST

188

MS

215
NOR

525610101 2200000000

TRAINING SPECIALIST

BASIC INDIVIDUAL RECOMMENDERS

TRAINING SPECIALIST

SECRETARY AND ATTORNEY

TRAINING SPECIALIST

42nd NAVJAG

TRAINING SPECIALIST

ATT

05. 2488

LAND NAVIGATION

37 112
215 15

TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	1										2										3										4										5										6										7										8										9										10									
051-191-1183	difficulty?	danger to person or equipment	self-paced	written	writing																																																																																																				
051-191-1184	tested?	importance	hands-on	oral	reading																																																																																																				
051-191-1185	taught?		demonstration	performance	speaking																																																																																																				
051-191-1186			lecture		listening																																																																																																				
051-191-1271																																																																																																									
051-191-1272																																																																																																									

10

TRAINING SPECIALIST[illegible]

Me V D J

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	UNIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	MOS		NUMBER OF RESPONDENTS	
											DATA OBTAINED FROM	TRAINING SPECIALIST		
			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	difficult? tested?	danger to person or equipment importance							
051-171-1001			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	difficult? tested?	danger to person or equipment importance							
051-171-1003			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	difficult? tested?	danger to person or equipment importance							
051-171-1005			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	difficult? tested?	danger to person or equipment importance							
051-171-1007			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	difficult? tested?	danger to person or equipment importance							
051-171-1013			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening	difficult? tested?	danger to person or equipment importance							

52N1W

SENIN

TRAINING SPECIALIST

LEADERSHIP

TRAINING SPECIALIST

הערה: כל המידע המופיע בדף זה, כולל תמונות, איורים, טבלאות, גרפים, קטעים של טקסט, וכו', אינם מהווים חלק מהמסמך.

TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	difficulty?		self-paced	written	writing
	tested?		hands-on	oral	reading
	taught?		demonstration	performance	speaking
051-191-1196		importance	lecture		listening
051-191-1193					
051-191-1194					
051-191-1195					
051-191-1197					
051-191-1198					

W60 MACHINIST

TRAINING SPECIALIST

CRANE OPERATOR

[illegible]

TRAINING SPECIALIST

CRANE OPERATING

TRAINING SPECIALIST

FOURTH OFFICE

[illegible]

APPENDIX 3

PERCENTAGE LANGUAGE SKILLS

This appendix contains the computations for the percentages of listening, speaking, reading and writing involved in each cluster.

Some clusters have two sets of computations because some Task Prioritization Forms were received after original computations and had to be added on.

**PERCENTAGE LANGUAGE SKILLS
NOS 62F**

TR = total number of responses to variables in the cluster
T = number of tasks in cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$TR \div (T)(V)(R) = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
FIRST AID	$6 \times 5 \times 8 = 240$ $\begin{array}{r} 25 \\ 34 \\ 21 \\ 16 \\ 37 \\ \hline 133 \end{array}$ $240 \overline{) 133.000} \quad .554$	$6 \times 2 \times 8 = 96$ $\begin{array}{r} 18 \\ 29 \\ \hline 47 \end{array}$ $96 \overline{) 47.000} \quad .490$	$6 \times 3 \times 8 = 144$ $\begin{array}{r} 6 \\ 7 \\ \hline 23 \end{array}$ $144 \overline{) 23.000} \quad .160$	$6 \times 4 \times 8 = 192$ $\begin{array}{r} 34 \\ 6 \\ 9 \\ 4 \\ \hline 53 \end{array}$ $192 \overline{) 53.000} \quad .276$
	55%	49%	16%	28%
NBC	$8 \times 5 \times 10 = 400$ $\begin{array}{r} 40 \\ 50 \\ 31 \\ 30 \\ 57 \\ \hline 208 \end{array}$ $400 \overline{) 208.000} \quad .520$	$8 \times 2 \times 10 = 160$ $\begin{array}{r} 29 \\ 26 \\ \hline 55 \end{array}$ $160 \overline{) 55.000} \quad .344$	$8 \times 3 \times 10 = 240$ $\begin{array}{r} 6 \\ 14 \\ 16 \\ \hline 36 \end{array}$ $240 \overline{) 36.000} \quad .150$	$8 \times 4 \times 10 = 320$ $\begin{array}{r} 50 \\ 6 \\ 14 \\ 8 \\ \hline 78 \end{array}$ $320 \overline{) 78.000} \quad .244$
0-1-191-1031 THURS 051-191-1038	52%	34%	15%	24%
INDIVIDUAL FITNESS	$1 \times 5 \times 10 = 50$ $\begin{array}{r} 5 \\ 3 \\ 7 \\ 8 \\ 8 \\ \hline 31 \end{array}$ $50 \overline{) 31.000} \quad .620$	$1 \times 2 \times 10 = 20$ $\begin{array}{r} 2 \\ 0 \\ \hline 6 \end{array}$ $20 \overline{) 6.000} \quad .300$	$1 \times 3 \times 10 = 30$ $\begin{array}{r} 2 \\ 2 \\ \hline 4 \end{array}$ $30 \overline{) 4.000} \quad .133$	$1 \times 4 \times 10 = 40$ $\begin{array}{r} 3 \\ 2 \\ 0 \\ 0 \\ \hline 5 \end{array}$ $40 \overline{) 5.000} \quad .125$
051-191-1061	62%	30%	13%	12%
				86

**PERCENTAGE LANGUAGE SKILLS
NOS 62 F**

T = number of tasks in ' cluster
V = variable
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR}{T + (T)(V)(R)} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
BASIC INDIVIDUAL TECHNIQUES	$10 \times 5 \times 10 = 500$ 16 28 20 19 30 <u>113</u> $500 \overline{) 113.000} \quad .226$	$10 \times 2 \times 10 = 200$ 8 24 <u>32</u> $200 \overline{) 32.000} \quad .160$	$10 \times 3 \times 10 = 300$ 3 3 14 <u>20</u> $300 \overline{) 20.000} \quad .067$	$10 \times 4 \times 10 = 400$ 28 3 3 <u>35</u> $400 \overline{) 35.000} \quad .088$
	23%	16%	7%	9%
CAMOUFLAGE	$3 \times 5 \times 10 = 150$ 8 20 11 12 20 <u>71</u> $150 \overline{) 71.000} \quad .473$	$3 \times 2 \times 10 = 60$ 4 11 <u>15</u> $60 \overline{) 15.000} \quad .250$	$3 \times 1 \times 10 = 30$ 3 3 <u>1</u> $30 \overline{) 1.000} \quad .033$	$3 \times 4 \times 10 = 120$ 20 0 0 <u>20</u> $120 \overline{) 20.000} \quad .167$
05 171-1361 THAN 051 171-1363				
	47%	25%	1%	17%
SECURITY AND INTELLIGENCE	$6 \times 5 \times 10 = 300$ 15 22 21 13 34 <u>105</u> $300 \overline{) 105.000} \quad .350$	$6 \times 2 \times 10 = 120$ 15 25 <u>40</u> $120 \overline{) 40.000} \quad .333$	$6 \times 1 \times 10 = 60$ 2 8 4 <u>14</u> $60 \overline{) 14.000} \quad .078$	$6 \times 4 \times 10 = 240$ 22 2 8 3 <u>35</u> $240 \overline{) 35.000} \quad .146$
	55%	33%	8%	15%
				07

PERCENTAGE LANGUAGE SKILLS
MOS 62F

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$TR + (T)(V)(R) = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
COMMUNICATIONS	$1 \times 5 \times 8 = 40$ $\begin{array}{r} 5 \\ 6 \\ 4 \\ 3 \\ 6 \\ \hline 24 \end{array}$ $40 \overline{) 24.000}$ $.600$	$1 \times 2 \times 8 = 16$ $\begin{array}{r} 2 \\ 6 \\ \hline 8 \end{array}$ $16 \overline{) 8.000}$ $.500$	$1 \times 3 \times 8 = 24$ $\begin{array}{r} 1 \\ 3 \\ 4 \\ \hline 8 \end{array}$ $24 \overline{) 8.000}$ $.333$	$1 \times 4 \times 8 = 32$ $\begin{array}{r} 6 \\ 1 \\ 3 \\ 2 \\ \hline 12 \end{array}$ $32 \overline{) 12.000}$ $.375$
OSI-191-1521	60%	50%	33%	38%
LAND NAVIGATION	$13 \times 5 \times 10 = 650$ $\begin{array}{r} 48 \\ 62 \\ 51 \\ 46 \\ 66 \\ \hline 273 \end{array}$ $650 \overline{) 273.000}$ $.420$	$13 \times 2 \times 10 = 260$ $\begin{array}{r} 20 \\ 45 \\ \hline 65 \end{array}$ $260 \overline{) 65.000}$ $.250$	$13 \times 3 \times 10 = 390$ $\begin{array}{r} 3 \\ 23 \\ 37 \\ \hline 63 \end{array}$ $390 \overline{) 63.000}$ $.162$	$13 \times 4 \times 10 = 520$ $\begin{array}{r} 62 \\ 3 \\ 23 \\ 6 \\ \hline 94 \end{array}$ $520 \overline{) 94.000}$ $.180$
MIGAI RIFLE	$6 \times 5 \times 10 = 300$ $\begin{array}{r} 24 \\ 29 \\ 35 \\ 26 \\ 40 \\ \hline 154 \end{array}$ $300 \overline{) 154.000}$ $.513$	$6 \times 2 \times 10 = 120$ $\begin{array}{r} 17 \\ 25 \\ \hline 42 \end{array}$ $120 \overline{) 42.000}$ $.350$	$6 \times 3 \times 10 = 180$ $\begin{array}{r} 1 \\ 1 \\ 8 \\ \hline 10 \end{array}$ $180 \overline{) 10.000}$ $.056$	$6 \times 4 \times 10 = 240$ $\begin{array}{r} 29 \\ 1 \\ 1 \\ \hline 32 \end{array}$ $240 \overline{) 32.000}$ $.133$
OSI-191-1181 THRU OSI-191-1186	51%	35%	6%	13%
				88

PERCENTAGE LANGUAGE SKILLS
NOS 62F

number of respondents in any task in that cluster

T = number of tasks in cluster
V = variable
R = maximum

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR}{V} + \frac{(T)(V)(R)}{V} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
LAW 081-191-1241 THRU 251-191-1243	$3 \times 5 \times 10 = 150$ 14 14 19 20 <u>20</u> 87 $150 \overline{) 87.000}$.580	$3 \times 2 \times 10 = 60$ 7 13 <u>20</u> $60 \overline{) 20.000}$.333	$3 \times 3 \times 10 = 90$ 0 0 2 <u>2</u> $90 \overline{) 2.000}$.022	$3 \times 4 \times 5 = 120$ 14 0 0 3 <u>17</u> $120 \overline{) 17.000}$.142
	58%	33%	2%	14%
GRENADES 021-191-1302 021-191-1244 THRU 021-191-1245	$6 \times 5 \times 5 = 150$ 6 11 11 10 11 <u>49</u> $150 \overline{) 49.000}$.327	$6 \times 2 \times 5 = 60$ 5 9 <u>14</u> $60 \overline{) 14.000}$.233	$6 \times 3 \times 5 = 90$ 1 0 0 0 <u>11</u> $90 \overline{) 4.000}$.044	$6 \times 4 \times 5 = 120$ 11 0 0 0 <u>11</u> $120 \overline{) 11.000}$.092
	33%	23%	4%	9%
MINES 17 32 19 19 16 <u>113</u> 455 $455 \overline{) 113.000}$.248	$13 \times 5 \times 7 = 455$ 17 32 19 19 16 <u>113</u> 455 $455 \overline{) 113.000}$.248	$13 \times 2 \times 7 = 182$ 11 29 <u>40</u> $182 \overline{) 40.000}$.220	$13 \times 3 \times 7 = 273$ 0 4 17 <u>21</u> $273 \overline{) 21.000}$.077	$13 \times 4 \times 7 = 364$ 32 0 4 0 <u>36</u> 364 $364 \overline{) 36.000}$.099
	25%	22%	8%	10%
				94

**PERCENTAGE LANGUAGE SKILLS
NOS 62 F**

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR + (T)(V)(R)}{TR} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
WHEELED VEHICLE OPERATIONS	$1 \times 5 \times 7 = 35$ $\frac{19}{35} = .543$ $35 \overline{) 19.000}$	$1 \times 2 \times 7 = 14$ $\frac{14}{14} = 1$ $14 \overline{) 14.000}$	$1 \times 3 \times 7 = 21$ $\frac{21}{21} = 1$ $21 \overline{) 21.000}$	$1 \times 4 \times 7 = 28$ $\frac{28}{28} = 1$ $28 \overline{) 28.000}$
OSI-191-1621	54%	29%	24%	21%
LEADERSHIP	$5 \times 5 \times 8 = 200$ $\frac{65}{200} = .325$ $200 \overline{) 65.000}$	$5 \times 2 \times 8 = 80$ $\frac{15}{80} = .188$ $80 \overline{) 15.000}$	$5 \times 3 \times 8 = 120$ $\frac{105}{120} = .875$ $120 \overline{) 105.000}$	$5 \times 4 \times 8 = 160$ $\frac{112}{160} = .7$ $160 \overline{) 112.000}$
	33%	19%	5%	11%
CALIBER .50 MACHINEGUN	$5 \times 5 \times 4 = 100$ $\frac{39}{100} = .39$ $100 \overline{) 39.000}$	$5 \times 2 \times 4 = 40$ $\frac{125}{40} = 3.125$ $40 \overline{) 125.000}$	$5 \times 3 \times 4 = 60$ $\frac{0}{60} = 0$ $60 \overline{) 0.000}$	$5 \times 4 \times 4 = 80$ $\frac{9}{80} = .1125$ $80 \overline{) 9.000}$
OSI-191-1204 THRU OSI-191-1208	39%	13%	0%	11%

PERCENTAGE LANGUAGE SKILLS
NOS 62 F

number of respondents in any task in that cluster

FORMULA

LISTENING

SPEAKING

READING

WRITING

$$TR + (T)(V)(R) = \%$$

-demonstration
-lecture
-hands-on
-performance (test)
-rating (scale)

-oral (test)
-rating (scale)

-self-paced
-written (test)
-rating (scale)

-lecture
-self-paced
-written (test)
-rating (scale)

Cluster

5 = 100%

2 = 100%

3 = 100%

4 = 100%

N 60
MACHINE GUN

$$7 \times 5 \times 5 = 175$$

14
17
18
13
18

80

$$175 \overline{) 80.000} \quad .457$$

$$7 \times 2 \times 5 = 70$$

7
18

25

$$70 \overline{) 25.000} \quad .357$$

$$7 \times 5 \times 5 = 105$$

0
20

2

$$105 \overline{) 2.000} \quad .019$$

$$7 \times 4 \times 5 = 140$$

17
0
0
1

18

$$140 \overline{) 18.000} \quad .129$$

051-191-1192
THW

051-191-1198

46%

36%

2%

13%

R166126

$$2 \times 5 \times 8 = 80$$

6
5
8
5
6

30

$$80 \overline{) 30.000} \quad .375$$

$$2 \times 2 \times 8 = 32$$

2
5

7

$$32 \overline{) 7.000} \quad .219$$

$$2 \times 3 \times 8 = 48$$

0
1

3

$$48 \overline{) 3.000} \quad .063$$

$$2 \times 4 \times 8 = 64$$

5
1
0
0

6

$$64 \overline{) 6.000} \quad .094$$

051-200-1001

051-200-1002

38%

22%

6%

9%

CRANE
OPERATION

$$24 \times 5 \times 14 = 1680$$

124
138
178
141
163

744

$$1680 \overline{) 744.000} \quad .443$$

$$24 \times 2 \times 14 = 672$$

60
106

166

$$672 \overline{) 166.000} \quad .247$$

$$24 \times 3 \times 14 = 1008$$

35
81
115

231

$$1008 \overline{) 231.000} \quad .229$$

$$24 \times 4 \times 14 = 1344$$

138
35
81
64

318

$$1344 \overline{) 318.000} \quad .237$$

44%

25%

23%

24%

PERCENTAGE LANGUAGE SKILLS
NOS 62F

FORMULA	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
FORKLIFT OPERATION 051-255-1029 THRU 051-255-1034	$6 \times 5 \times 9 = 270$ 20 22 29 28 22 121 $270 \sqrt{121.000} \quad .448$	$6 \times 2 \times 9 = 108$ 10 18 28 $108 \sqrt{28.000} \quad .259$	$6 \times 3 \times 9 = 162$ 1 16 15 32 $162 \sqrt{32.000} \quad .198$	$6 \times 4 \times 9 = 216$ 22 1 16 16 55 $216 \sqrt{55} \quad .25$
	45%	26%	20%	26%
CLASHILL OPERATIONS 051-255-2014	$1 \times 5 \times 9 = 45$ 4 5 7 4 6 26 $45 \sqrt{26.000} \quad .578$	$1 \times 2 \times 9 = 18$ 2 3 5 $18 \sqrt{5.000} \quad .278$	$1 \times 3 \times 9 = 27$ 0 3 3 27 $27 \sqrt{6.500} \quad .222$	$1 \times 4 \times 9 = 36$ 5 0 3 1 9 $36 \sqrt{9.000} \quad .25$
	58%	28%	22%	25%
SHOVEL FRONT OPERATIONS 051-255-2016	$1 \times 5 \times 6 = 30$ 1 1 0 2 5 $30 \sqrt{5.000} \quad .167$	$1 \times 2 \times 6 = 12$ 1 1 2 $12 \sqrt{2.000} \quad .167$	$1 \times 3 \times 6 = 18$ 0 0 1 1 $18 \sqrt{1.000} \quad .056$	$1 \times 4 \times 6 = 24$ 1 0 0 1 $24 \sqrt{1.000} \quad .042$
	17%	17%	6%	4%

TR = total number of responses to variables in the cluster
 T = number of tasks in the cluster
 V = variables
 R = maximum number of respondents in any task in that cluster

MOS 62F

V = variable number of tasks in the cluster

APPENDIX 4

OBSERVATION FORMS

The attached forms were taken to the actual training where observers recorded actual training situations and language used in the training. These forms were used to indicate the CONDITIONS for the Job Language Performance Requirements in this MOS.

AD-A121 090

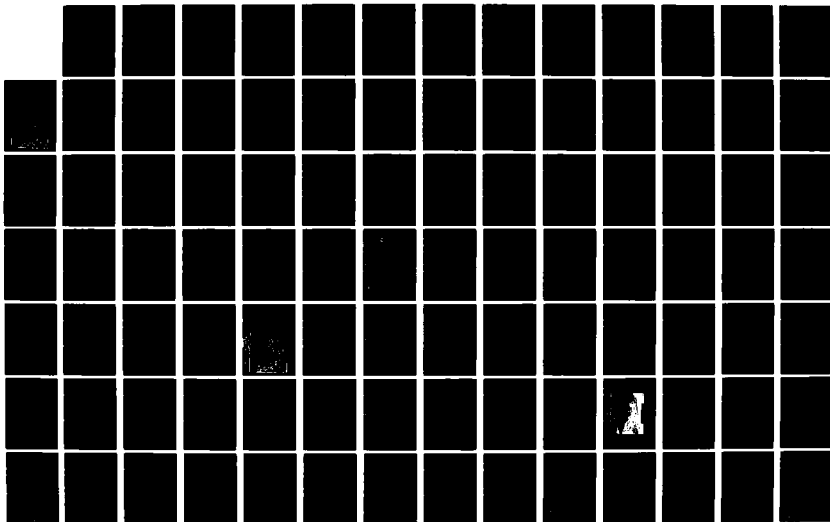
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 62F
LIFTING AND LOADING EQU. (U) DEFENSE LANGUAGE INST
LACKLAND AFB TX ENGLISH LANGUAGE CENTER. 11 APR 79

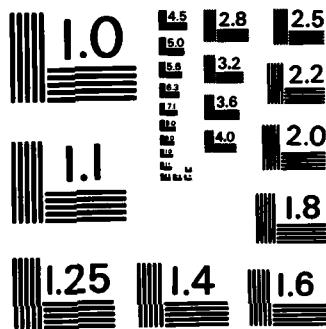
2/3

UNCLASSIFIED

F/G 5/9

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

SUBJECT

* TASK NUMBER IF KNOWN

Physical Environment of Instruction.

- A. Classroom
- B. Open Areas (live firefield- mark-up terrain)
- C. Large enclosed area (bleacher sites)
(Warehouse size)
- D. Other

Comments:

Styles of Communication Instructor, Verbal order

- A. Formal Speech
- B. Informal Speech
- C. Regional/Ethnic
- D. Body Language
- E. Profanity
- F. Shop talk/slang
- G. Non-standard English
- I. Other

Comments:

Media of Instruction

- A. Films
- B. Video cassettes
- C. Graphic Training Aids (diagrams, etc....)
- D. Illustrations (requiring reading/not requiring reading)
- E. Maps
- F. Mock-ups
- G. Models/Aimulate
- H. Real equipment
- I. Transparencies
- J. Tape cassettes
- K. Training Publications (required/available)
- L. Signs/Notices
- M. P.A. System
- N. Normal Voice
- O. Soldier's Manual
- P. Chalkboard
- Q. Other

Comments:

Mode of Response

- A. Manipulating a piece of equipment/device
- B. Answers (spoken - written)
- C. Signals
- D. Performance
- E. Taking Notes
- F. Teamwork
- G. Other

Comments:

Instructional Ratio

- A. Instructor, one-to-one/class
- B. Peer/one-to-one
- C. Group or Committee Group (group of instructors of whom one teaches one portion of the whole)
 - Small (12 or less)
 - Large (more than 12)

Other

Questions

Comments:

APPENDIX 5

STRUCTURAL/LEXICAL LIST

Attached is the list of
structural and lexical items
for this MOS.
(For discussion, see Section II)

STRUCTURAL ITEMS

SENTENCE PATTERNS

SIMPLE: One subject and one predicate

1. Subject and action verb
Firer aims.
2. Subject and action verb and direct/indirect object
Many things cause burns.
3. Subject and linking verb and subjective complement
This is very important.

COMPOUND: Two or more sentences joined by:

1. Coordinating conjunction

Explain the task and ask the trainees if they understand the task, and the conditions they are expected to perform at the end of the session, the conditions under which they must operate, and the standard they must achieve.

2. Conjunctive adverb

Do not start or stop the vehicle while the radio is on or you may damage the set.

3. Semicolon

A light pressure is exerted on the driving spring when the bolt is forward; however, never attempt to cock the gun while the backplate is off and the driving spring assembly is in place.

COMPLEX: One or more dependent clauses

1. Adjectival (functions as an adjective by modifying nouns and pronouns)

At the bottom of the map you will find three different bar scales which will help you to change map distance to miles, meters, or yards.

2. Adverbial (functions as an adverb by modifying verbs, adjectives, and other adverbs) The mouth-to-nose method is performed in the same way except you blow into his nose while you pinch his lips closed with one hand.

3. Noun (functions as a noun) The person who is performing artificial respiration quickly blows into the casualty's lungs after each five compressions.

SENTENCE TYPES

1. INTERROGATIVE

(do, does, modal, wh-, tag, inverted)
But what about the other 15 meters?
Ask, "What is there?"

2. DECLARATIVE

Classified information will not be discussed over the telephone.

3. EXCLAMATORY

HALT!

4. IMPERATIVE

Issue the challenge in a soft voice and wait for the (requests, commands, second person (singular/plural, negative/affirmative), First and second person (let's)) stranger to reply with the correct password.

5. ELLIPSIS:

Split the bracket until fire for effect is possible. Most common type of ellipsis--subject deleted

6. FRAGMENT

Movement to occupy a position.
All other parts.

ADVERBIAL CLAUSES

1. PURPOSES

Training must be conducted so that at least 80% of the students can accomplish the task trained to the standards specified for the task.

2. CONTRAST

Although natural terrain features are likely not to change and make good reference points to orient a map, you may also use manmade features such as roads, bridges, etc., to orient your map.

3. COMPARISON

Place suitable material under him as well as over him if necessary.

4. RESULT

Blending is the use of camouflage materials on, over, and around an object so that it appears to be part of the background.

5. MANNER

Take deep breath and place mouth around soldier's mouth; then blow forcefully as you observe his chest.

6. TIME

When you have to go a certain distance on foot without any landmarks to guide you, you can measure distance pretty accurately by counting your paces.

Split the bracket until fire for effect is possible.

7. PLACE

Loosen clothing at neck, waist, and other places where it tends to bind.

8. CAUSE

Be careful not to depress the trigger, since this will cause the firing pin to be released.

9. ADVERSATIVE

The casualty has no fractures, but has a bleeding wound.

10. CONDITION

If it isn't, your rifle can still fire, but it could possibly explode, causing you harm.

PHRASES

1. GERUND

(upon) Hearing the correct password, give permission to pass if you have no other reasons to doubt.

2. PARTICIPIAL

Using a straightedge draw a line between the two objects.

3. INFINITIVE

To camouflage exposed skin paint the shiny areas with a dark color.

4. PREPOSITIONAL

Under certain light conditions, front sight ports can be seen, but you can't determine whether you are looking through, above, or to the side of the rear sight aperture.

LEXICAL ITEMS

ADJECTIVALS

"rifle bore cleaner"
"waste material"
"burning residue"
"semi-fixed ammunition"
"extracting/loading ammunition"
"firing hammer"
"four life-saving steps"
"chest/heart massage"
"tourniquet material"
"field material"
"field condition"
"mouth-to-mouth resuscitation"

ADJECTIVES

1. WORD + ABLE

AVAILABLE

2. COMPARATIVES

Threat main tanks are smaller than the US main battle tanks.

3. SUPERLATIVES

The most dangerous targets are those that see you, have the capability of killing you, and appear to be preparing to engage you.

PRONOUNS

1. INDEFINITE

Have someone walk the FDL (if enemy situation permits), and determine dead space (sections of FDL where individual drops below line of sight).

2. POSSESSIVE

Shake his shoulder and shout, "Are you OK.?"

3. SUBJECTIVE

This will give you correct nomenclature.

4. OBJECTIVE

It will also give you the correct functioning.

5. REFLEXIVE

Keep yourself clear of the muzzle.

VERBS

1. VERB TENSES

Make sure you clearly understand the task you are to teach.

--You will be tested.

--If they elect to take it, they must complete the test once they have begun the first event or else they will receive a NO GO for the entire test.

--If the soldier is breathing, mouth-to-mouth resuscitation is not necessary.

--When all 10 pebbles have been moved to the left pocket, you have traveled one kilometer.

--Have someone walk the FDL and determine dead space.

--Sensing is an instantaneous determination by the grenadier as to where the grenade exploded.

present progressive verb
present verb (uninflected, third
person, indicative)
past tense (regular/irregular)
present perfect
future

2. TYPES

intransitive
(You) train for results.

transitive
Mask the casualty.

linking
The skin becomes inflamed.

3. VOICE

active

recognize
protect
is facing
remove
explode
sounds
points out
seen

appear
seek
secure
wear
mask
stored
do require
could affect

has
must be
wipe
rinse
put brush
empty
reassemble
reinstall

passive

given
is protected
is sprayed

are alerted
are reported
have been corrected

are authorized
be corrected

passive+verb+ing
"task will be performed
using procedures"
modal+passive voice
"can be determined"
modal+negative+passive
"must not be eliminated"

4. MODALS

You must demonstrate, once every 6 months, that you can meet or exceed the minimum level of physical fitness required of each member of your unit in accordance with the standards contained in AR 600-9.

Personnel over the age of 40 may elect not to take the APFT. The pulse should be found in the soft area between the Adam's apple and the large muscle on the side of the neck.

Injury or death could result.

During surveillance the operator will have to adjust the range focus to get a sharp image at different ranges.

"might have to be placed"
"be"
"will be given"
"should be"
"must"
"must be"
"can"
"can be"
"may be"
"should not be"

5. AUXILIARIES

(do, does, negative)

Do not zero in under 100 meters.

If the round does not fall within 5 meters of target, zeroing procedures are called for.

GERUNDS

Sensing is an instantaneous determination by the grenadier as to where the grenade explodes with respect to the target.

INFINITIVES

To fire, hold the M16A1 in the rest with your right shoulder firmly against the weapon's butt plate.

ADVERBS +

1. SUPERLATIVE

When such a line of fire exists, the primary sector will be assigned, based on it, with the FDL being the sector limit closest to the friendly troops.

2. INDEFINITE

The launcher has a heavy coat of oil on working parts, and a light coat of oil elsewhere.

3. FREQUENCY

Apply a little graphite grease to the threads of the antenna section for easy removal and to prevent the sections from seizing if they have been rarely removed.

4. OTHER

Assembly procedure for the grenade launcher merely reverses disassembly steps.

5. COMPARATIVE

The care, cleaning, lubrication and adjustment of the mount used with the gun are no less important.

VERBS AND PREPOSITIONS

Line up the key in the receptacle with the slot in the cable connector.

VERBS AND ADVERB

(particles)

Put on the protective mask within nine seconds of the chemical alarm and remain in the contaminated area for at least two minutes without making further adjustments to the mask.

APPENDIX 6

VOCABULARY (DLIELC IN-HOUSE)

The following vocabulary list was extracted from the Soldier's Manual task by task and then categorized into GENERAL, BASIC AND TECHNICAL vocabulary.

NOT APPLICABLE

REF: On 15 MAY 1981 agreement between
TRADOC and DLIELC was reached
that DLIELC In-House Vocabulary
would not be produced for this
MOS.

APPENDIX 7

Appendix 7 is the machine-generated vocabulary list. It was not useful for our purposes. It is included as a vocabulary reference.

ADQUARTS

DATA CONTROL NUMBER

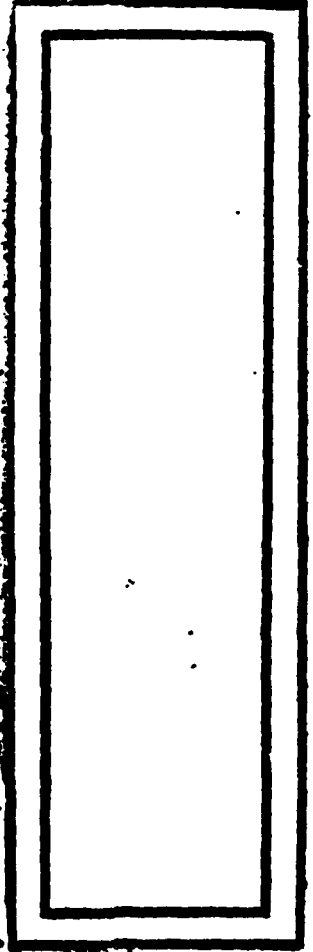
Job No / Proj No

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

62F-1

AUG 15 1963



MOS 62F SKILL 10

9,907 RECORDS

1,119 UNIQUE ITEMS

FREQUENCY DISTRIBUTION

2 6
1 AID
2 AIF
1 AUTOMATICALLY

3 AUXILIARY
1 AVAIL
1 AYS
2 AXLE
30 BACK

17 BARGE
1 BARRING
1 BARRIERS
1 BARRIERS

2 BATTLE
2 BATTLE
1 BATTALION
2 BATTALION
2 BATTALION

2 BATTLE
2 BATTALION
2 BATTALION
157 PL

2 BATTLE
1 BATTLE
2 BATTLE
1 BATTLE
2 BATTLE

7 BATTLE
2 BATTLE
2 BATTLE
20 BATTLE
2 BATTLE

2 BATTLE
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1 BATTLE

15 BATTLE
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14	WULT
1	WULT

126	WULT
5	WULT
17	WULT
5	WULT

18	WULT
5	WULT
1	WULT
1	WULT
27	WULT

1	WULT
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47	WULT

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87	WULT
17	WULT

3	WULT
8	WULT
1	WULT
17	WULT

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27	WULT
4	WULT
9	WULT
1	WULT

3	WULT
21	WULT
4	WULT

1	WULT
1	WULT
4	WULT
1	WULT

1	CATER
2	CATHALK
3	CAUSE
4	CAUSING
15	CAUTION
17	CENTER
2	CERTAIN
14	CIRCUIT
3	CIRCUITS
1	CIRCULATE
2	FINAL
1	CURE
12	CURRY
1	COMMUNICATE
1	COMMUNICATING
1	CURRY
12	COMPLETE
12	COMPLETED
3	COMPLETELY
2	CURRENT
1	CURRENTS
1	CURPITE
11	CONDITION
40	CONDITIONS
5	COMPLICATION
1	CONFLICT
22	CORRECT
2	CORRECTED
1	CORRECTING
14	CORRECTIONS
1	CORRECTORS
1	CORRELATING
3	CORRELATE
1	CORRELATIONS
24	CORRELATION
6	CORRELATION
1	CORRELATING
1	CONTENTS
1	COPY
1	COPY

3 CONTINUOUSLY

97 CONTROL

5 CONTROLLED

5 CONTROLS

9 CONVERTING

1 CUN'L

2 CUNLANT

1 CUNLING

1 CUNLETELY

1 FLUGED

1 CUPPING

40 CUNFECT

2 CUNFECTIVE

1 CUNFECTLY

14 CUNRESPONDENCE

1 CUNRESISTOR

22 CUTTER

1 CUNTER-CLOCKWISE

1 CUNPLING

1 CUNPSE

2 CUNPERING

1 CUNPERS

44 CU

4 CUNIC

1 PUTTS

1 PUT

1 PUTS

2 PUTTERS

2 CYCLE

12 CYLINDER

2 CYLINDERS

1 CYCLOG

83 CY

15 CYPAGE

1 CYPAGEU

2 CYPAGEING

7 CYATA

1 CYCLO

9 LEAD-END
3 PECK
2 PREPARE
1 PERFECT
2 REFLECTS

32 DEFICIENCIES
4 DEFICIENCY
1 DEFILITE
1 DEFLECTION
1 DEFLECT

6 DEFENSES
1 DEFEND
2 DEFENDS
2 DEFENDANT

2 DEFUSIT
4 DEFUSITED
14 DEFRESS
2 DEFRESSED
7 DEFETTI

14 DEFUNCA
2 DESIGNATED
16 DESIPED
1 DETLIT
23 DETERMINE

2 DETERMINED
1 DEVELOP
1 DEVICE

1 DIAMETER
12 DIAPSEL
4 DIFFERENT
2 DIFFERENTIAL
2 DIC

1 DIRGING
47 DIRPER
1 DIRPING

2 DIRSTICK
29 DIRECT
1 DIRECTIOIN
1 DIRECTIONAL
4 DIRECTLY

UNCLASSIFIED
PLEASE ONLY
RECALL

24 DISCONNECT
2 DISTANCE
1 DISTANCE
1 DISTANCE
2 DISTANCE

3 DRIVE
3 DU
7 DUS
5 DUNE
5 DUNE

1 FWH
1 FWH
13 FWH
2 FWH
1 FWH

15 FWH
2 FWH
2 FWH
1 FWH
1 FWH

8 FWH
2 FWH
1 FWH
1 FWH
4 FWH

6 FWH
6 FWH
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4 FWH
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2 FWH
2 FWH
1 FWH
2 FWH

34 FWH
1 FWH
1 FWH

EVPHLY
EXAMINE
EXAMPLE

EXAMINED

EXAMINATION
EXCAVATORS
EXCEED
EXCESS
EXCESSIVELY

EXERCISED
EXTERIOR
EXTENDED
EXTENDING
EXTENSION

EXTRALISHER
EXTRA
EXTRANE
EYE
FABRICATE

FACE
FACING
FAIR-LEAD
FAIRING
FALLING

FAC
FEET
FEMALE
FEF
FERNY

FEB
FICATIONS
FICIENT
FIFU
FIFU

FIG
FIGS
FIGURE
FILL

FILLED
FILLER
FILTER
FITTERS
FIV

1	FLAIL
1	FLIGHT
1	FLIST
1	FLISTAND
1	FLIT
1	FLITING
1	FLITINGS
1	FLIVE
1	FLIVE-PART
1	FLUEN
11	FLUENING
1	FLUITS
22	FLUT
1	FLUT-PCARDS
131	FLU
50	FLUCTION
50	FLUX
9	FLUXLIFT
30	FLUXAS
1	FLUXSHIFTER
45	FLUX
10	FLUXALCE
1	FLUITH
27	FLUWARC
2	FLUWARC-NEUTRAL-REVERSE
4	FLUR
1	FLUW-PART
10	FLUL
7	FLUL
6	FLULY
2	FLUTICK
2	FUNCTIONAL
1	FUNCTIONS
1	GAA
2	GAGE
1	GAGEU
3	GAGES
1	GALLINS
1	GAMIZATIONAL
16	GATPY
1	GAGES

1 CARGING
1 PEAK
39 GENERAL
7 REPLICATING
1 GENERATION/ALTERNATION

2 RUTLY
1 GHE
7 GING
2 CITURINALLY
47 GHEP

4 RU
6 RUGLES
6 RUU
7 RUUG
1 RUTUE

1 RUTLINES
1 RUTDING
2 RUT
4 RALF
1 RALFLAY

9 RALVES
2 RALDER
F RALD
1 RALTRUCK

2 RALGLE
1 RALDLES
2 RALDING
1 RALDAGE

1 RALISCHFEGER
1 RALLESS
7 RALFESSES
6 RALFISLMFEGER
6 RAL

6 RALVE
1 RALZARD
1 RALZT
5 RALPL
11 RALZANT

1 RALJ
2 RALH
2 RALHNER
1 RAL
1 RAL

115

POSTING

NO. 1

INCLUDING

6 PALES
1 PALEW
25 PAWK
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1 PAWZ
4 PAWE
5 PAWES

1 PAWSING

4 PAWSINGS
30 PAWL

1 PAW
1 PAW-LALLIC

49 PAWNAULIC
2 PAWNAULIC
1 PAWNAULIC
25 PAW-LAP
2 PAW-LAP
2 PAW-LAP

17 PAW
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2 PAWTS
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4 PAW
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1 PAW

6 PAWSING
2 PAW
1 PAW
1 PAW
1 PAW

1 LEVER
1 LEAVING
4 LEAD
16 LEADS
1 LEAN

4 LEAKAGE
2 LEAKS
1 LEAH
6 LEAST

2 LEAVING
24 LEFT
1 LENGTH
2 LENGTHEN
2 LESS

2 LET
16 LEVEL
2 LEVELING
1 LEVELS
1 LEVELY

16 LEVIES
49 LIFT
16 LIFTED
26 LIFTING
2 LIFTY

1 LIT
2 LITTING
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41 LITE

14 LIVES
1 LIX
17 LKAGE
1 LKAS
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1 LIFS
2 LIST
22 LISTED
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27 LU
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7	PACHTHE
1	PACE
7	PATH
1	PATRAIN
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6	PAINTAINING
156	PATIENCE
25	PALE
1	PALING
5	PALE
10	PALFUNCTION
1	PALLET
1	PALPAINS
2	PALAPERT
2	PALIVER
1	PALIVERS
125	PALUAL
1	PALUALLY
14	PALUALS
1	PALUL
1	PAL
1	PALIES
11	PALIE
1	PALK
2	PALCED
4	PARKS
4	PART
11	PASTER
1	PATCH
2	PATE
2	PATELY
4	PATEPIAL
4	PATEPIALS
1	PATIC
1	PATIER
2	PAXIUM
15	PAY
1	PEAIS
2	PEASINE
2	PEASIMED
75	PEASIMES
17	PEASIMICS
2	PEASIMICALLY
1	PEASIMATELY

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1 IATURE
1 I'ERN

12 ICESSARY

2 ICTIONS

1 IEDU

2 IERCEU

1 IEPIS

1 IESS

5 IUTPAL

3 IUTUALIZE

2 I'EREF

1 I'U

1 I'EXT

1 IICAL

2 I'IE

4 I'ITRUGEN

3 I'U

1 I'UISE

3 I'USSES

2 I'UVE

2 I'UTIAL

41 I'UT

78 I'U-E

1 I'UTRE

1 I'UTICED

1 I'UTING

4 I'U

1 I'UL

55 I'UTERN

1 I'UTERED

1 I'UTERFAS

1 I'UT

2 I'UTS

2 I'UT

1 I'UT-IF-ROUND

1 I'UTLAND

8 I'UTER

1 I'UTERSPAFT

7 I'UTLEFT

6 I'UTPLI

7 I'UTRIGGER

34	PER	
4		
1	PERLINE	
1	PERALBAU	
1	PERHATING	
2	PERKALE	
4	PERKING	
1	PERLICK	
1	PERLS	
1	PERSPR	
4	PERLFT	
2	PERLITIZED	
1	PERLITS	
4	PEREL	
2	PERELS	
8	PERM	
2	PERALLEL	
2	PERK	
22	PERNEU	
10	PERKING	
15	PERT	
1	PERTICULAR	
5	PERTS	
1	PERSS	
1	PERSPS	
1	PERST	
1	PERL	
5	PERL	
10	PERALS	
2	PERLANTS	
1	PERUS	
2	PER	
5	PERCPIT	
5	PERFLAP	
74	PERFLMPANCE	
24	PERFLIPPED	
2	PERFLIPPING	
5	PERLIG	
2	PERLIT	

PERSONNEL

7 PICK
46 FILE
1 FILOT
36 FII

1 PIIG
22 FHS
4 FITCH
1 FITTING

32 FULLT
2 FUDITER
6 FUDITS
1 FUI
4 FUIT

FUNCTIONS

1 FUSIENS
1 FUSILLE
1 FUSI-CHARGING
1 FUSI-CH
5 FUSI

PUBLICATIONS

45 PULL
2 PULLFD
1 PULLER
1 PULLING
15 PUP
2 PUPS
2 PUNCH
1 PUNCTURING
24 PUSI

2 PUT
1 PUTTING
1 PYALID

4 QUALIFIED
2 QUALI
2 OUTREMENT
1 RACE
1 RACLS

PAIH
PAISF
PAISF/

27 PAISF/LUNER

7 PAISFU

6 PAIGF

1 PAITL

1 PATIIG

1 PAWIDE

45 PAICI

7 PAICILL

7 PAICIS

2 PAID

4 PAIDJG

1 PAIDJCKING

65 PAIDP

1 PAISSIMPLY

1 PAISITICLE

1 PAISIMENDED

7 PAISIMECT

2 PAISIMH

11 PAISIMED

2 PAIT

1 PAITIFIER

2 PAITIK

8 PAITIVE

2 PAITULL

1 PAITULED

7 PAITUL

35 PAITVE

1 PAITVING

87 PAITUK

52 PAITPACE

47 PAITPACES

1 PAITISTERS

1 PAITULATIONS

5 PAITLAY

22 PAITLEASE

1 PAITLEASED

1 PAITLEASEING

7 PAITLIFT

1 PAITLIFE

1 PERAIN
6 PERAINING

6 PERIAL
77 PERINE

4 PERINED
1 PERINING
1 PERIT
7 PERAIN
2 PERAINER

3 PERIAT
24 PERPLACE
4 PERPLACED
5 PERPLACING
1 PERPLAT

3 PERQUEST
13 PERQUIRED
7 PERQUIREMENT
25 PERQUIREMENTS
15 PERQUIREUR

1 PERSEPVURS
1 PERICIAL
1 PERIPECTIVE
2 PERIPESSIBILITY
4 PERIPESSIBLE

1 PERST
6 PERSTING
1 PERSTIME
1 PERSTINE
1 PERSTIS

3 PERTADDER
1 PERTAINING
7 PERTRACT
1 PERTRACTION
4 PERTUPE

1 PERTUPHED
2 PERVEPSE
2 PERVEPSING
7 PERVOLVING

9 PERGING
40 PERIGHT
1 PERIG
2 PERISE
15 PERIULTED

REMAIN REMAINING

1. REPAIR
2. REPAIR

3. REPAIR
4. REPAIR
5. REPAIR
6. REPAIR
7. REPAIR

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9. REPAIR
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33. REPAIR

34. REPAIR
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37. REPAIR
38. REPAIR

39. REPAIR
40. REPAIR
41. REPAIR
42. REPAIR
43. REPAIR

1	PERAIN
6	PERAINING
7	PERUAL
7A	PERUNE
4	PERURED
1	PERURING
1	PERIT
2	PERAIN
2	PERAINER
3	PERPLAT
26	PERPLACE
4	PERPLACED
5	PERPLACING
1	PERPLT
3	PERQUEST
13	PERQUIFIED
5	PERQUILMENT
20	PERQUILMENTS
12	PERQUIVIR
1	PERSEPVUIRS
1	PERICIAL
1	PERISPECTIVE
3	PERISUSIBILITY
4	PERISUSIBLE
1	PERST
6	PERSTING
1	PERSTIME
1	PERSTICK
1	PERSTIS
3	PERTAJIER
1	PERTAINING
7	PERTRACT
1	PERTRACTION
1	PERTURN
1	PERTURNED
8	PERURSI
2	PERURSSING
7	PERURSIG
1	PERURING
4	PERURING
1	PERUG
1	PERUSE
12	PERUTED

4 PERS
2 ILER
2 JON
3 RUPE

1 PUELS
1 PUTATE
2 PUTATION
13 RUNGI
1 FL

2 FUIE
14 FULES
1 RUN
2 RUNNING
1 POST

3 SAFE
13 SAFETY
1 SALT
2 SAFE

1 SAND
1 SARY
1 SEAL
9 SEALANT
3 SEALS

1 SEATED
4 SEC

2 SIGUL
1 SECONDARY

1 SECUIDS
4 SEPTICK
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2 SECURELY

8 SECURING
4 SEF
1 SELECT
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1 SEQUENCE
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1 SINGLE-PART
1 SIGHT
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1 SITUATION

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3 SIX
6 SIZE
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1 SUCKET
2 SUFT
1 SUDTERIS
1 SUDTERS
2 SUDTUD

2 SUIFUDJS
1 SULVENT
1 SURN
19 SUT
2 SUWAF

2 SQUARELY
1 SQUARELY
1 SUPCHURSE
15 SUCCHURSES

1 SUTSYSTEM
1 SUTTH
1 SUTTH
1 SUFFICIENT

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SUPPLY

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1 TESTS
2 TEST-COMPLETED
1 TESTED
7 TESTER

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TILT
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1. TURNS

TYPE

2. INITIAL

VALUE

1. MULTI

2. MULTI

3. VAL

4. VALUABLE

5. VALVE

6. VALVES

7. VARY

8. VEHICLE

9. VENT

10. VERIFY

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20. VOLUME

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23. WALT

24. WAVE

25. WAVELENGTH

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27. WARPS

28. WASHING

29. WASH

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31. WASHERS

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33. WATERPROOFING

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35. WEBS

36. WEAR

37. WEIGHT

38. WEIGHT

39. WEIGHTED

40. WEIDED

41. WEIDED

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1	WILL
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1	XXVI
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2	XXVYI
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2	XXVLS
22	XXVLS
1	XXVLS

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4	GC	4	DIRECTLY	4	FLY
4	KEY	4	FATT-LEAD	4	FILTR
4	LIST	4	PALP	4	PROZUTAL
4	LEGITIMADLY	4	KIT	4	LEAKS
4		4	LIVE	4	LEAD-CENTER
4		4	LUDSEN	4	MARKS

RECOVER YOUR

Frequency/Word

FREQUENCY / HIND

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4	PIL-S-01030
4	INT
4	PTCH
4	RAISE/
4	RESPONSE
4	SECTION
4	TEF
4	TEPS
4	TEAM
4	DRUM
3	CAREFULLY
3	CIRCLES
3	CIT STRCT
3	CYI ADERS
3	DUCT
3	EGALS
3	FFF
3	CITG
3	LNU
3	LOCKWASHER
3	LUCS
3	MAPN
3	MEVER
3	PER
3	REFL
3	PERSEVERANCE
3	SEAL
3	SQUARELY
3	TASKS
3	TYPES
3	LEFT
3	LEILD
3	YOE
2	BALANCE
2	BEYTER
2	CHAI
2	CONJECTIVE
2	DEPENDENT
2	DESIGNATED
2	DIC
2	DISCARD
2	EASING
2	EXCESSIVELY
2	CYF
2	FIELD
2	FIVE
2	FUNCTIONAL
2	GUP
2	INWASHER

11	JIR	2	JUST	2	KEEPING	2
12	LAYER	2	LENGTHEN	2	LET	2
13	LIP	2	LIX	2	LOCKED	2
14	LOWERING	2	LUBRICATED	2	MAKING	2
15	MATE	2	MATELY	2	MAYIMUP	2
16	MEASURED	2	MECHANICALLY	2	MEFILM	2
17	MINDS	2	MINDTE	2	MINUTES	2
18	MIDDLE	2	MINTION	2	MOTION	2
19	MULTIMETER	2	NECTIOUS	2	NEFINO	2
20	NINE	2	NONE	2	NOHAL	2
21	OVERIDE	2	PAIRLS	2	PAPALLFL	2
22	PERCENT	2	PERFORMING	2	PERMIT	2
23	STATION	2	POSITIONING	2	PILLED	2
24	PMT	2	QUICK	2	OLIMENT	2
25	RECONNECT	2	RECORD	2	REFT	2
26	REDUCE	2	REPAIRER	2	REPERPING	2
27	RELLER	2	RJUN	2	PCYATION	2
28	SECOND	2	SIDES	2	SIMU - J	2
29	SIFT	2	SOLID	2	SOLIMIND	2
30	SUPPLYING	2	SUSPENDED	2	TALIGATE	2
31	TIERED	2	TIGHTENER	2	TIMES	2
32	TYKE	2	VENT	2	VICES	2
33	WAY	2	WEIGHTED	2	WICK	2
34	NI	2	XVI	2	WCK	2
35	PACKING	1	AVOID	1	AXIS	1
36	PACKING	1	BACKWARD	1	PACKWARDS	1
37	PISIDE	1	BEATINGS	1	PERIPE	1
38	PLATED	1	BEST	1	REVIND	1
39	PLUBLE	1	BID	1	CLINT	1
40	CSF	1	BUILD	1	CLINT	1
41	CARE	1	CARE	1	CASH	1
42	CASTING	1	CARE	1	CAYE	1
43	CIRCULATE	1	CARE	1	CDEF	1
44	COMMUNICATING	1	CARE	1	CDEF	1
45	CONNECTING	1	CARE	1	CDEF	1
46	CONTAINING	1	CARE	1	CDEF	1
47	CUL	1	CARE	1	CDEF	1
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100	CORRELING	1	CARE	1	CDEF	1

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1	RELIEVE
1	RIGHT
1	RLST
1	RETAINING
1	RING
1	RUN
1	SAND
1	SECONDS
1	SEQUENCES
1	SETTING
1	SINGLE-PALLET
1	SITUATION
1	SOLVE
1	TA
1	TA
1	TAPER
1	TEST-COMPLETED
1	TIGHTENED
1	TIPAL
1	TUR
1	TURBS
1	VALUABLE
1	VISUAL
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1	WASH
1	WIDTH
1	WIND

1	REHAPH
1	RESUME VIRS
1	RESTORE
1	RETRACTION
1	RUPRS
1	RUST
1	SAPV
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1	SELE
1	SELE
1	SINGLE PART
1	SIZES
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1	TESTFO
1	TIG-TLY
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1	TYPE
1	VIATION
1	VOLTS
1	WAKENUSE
1	WASLERS
1	XIV
1	XIVING

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HEADQUARTERS

DATA CONTROL NUMBER

JOB NO / PROJECT NO

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

WCA

OCT 22 1980

OCT 22 1980

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62F SLI

PREPARED BY: OPERATIONS DIV. DPFO

ATDP FORM 109 Replaces ATDD 118, Jul 73, which is obsolete

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SEQUENTIAL DATA MANAGER

mos 62F Skill 1

PAGE NO ? TYPE RECORD BYTES

3 RUPES
1 CALCULATE
4 CONSOLIDATION
1 FAIRPLEAD
3 INHILLS
5 JTP
3 LENGTH
5 LO
5 MARG:CEMENT
4 MINTUM
5 REALTIONING
5 RECOMMEND
3 SPRAWVICABILITY
4 SIMULATED
3 TURQUE
2 VERRATION

WASTE READ - - - - - 4937
LFEC 32
BKSIZE 3136

TRANS READ
L RECL
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424-8080

UPDATED RECORDS
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4	TRANSPORATION
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2	TRUTH
2	-TUE
2	TRIP
7	TRY
1	TPOL
4	TRALS
2	TRAMBLE
2	TRAPLECTING
2	TRUCK
2	TRUCKS
1	TRY
1	TURNEN
1	TURNST
2	TWC
1	TURN-OVER

37	J:1:16	
12	J:1:12:11:13	
2	J:1:12:1	
2	A	
2	1:14:1	

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11	AMICH
12	MIIE
2	XX: p
2	XX: FS
6	MEFACH

1	XL1	1
1	XLV1:1	1
1	XL2	1
2	XL26	2
3	XL6	3

53 Y0

167

1,143 THE	951 AND	291 A	297 TM
170 US	223 IN	214 UN	173 FM
143 FROM	132 B	119 P	117 CRANE
115 C	115 OR	95 IS	77 OPERATOR
72 CRAP	61 ASSAULT	83 D	77 TRUCK
75 ORGANIZATIONAL	45 BREAK	65 TRANSPORTER	64 SWING
31 FROM	62 ALL	62 AT	51 FRONT
41 BOTTLE	60 E	55 SPECIFIC	50 WHEEL
54 ENGINE	54 IF	54 OPERATOR'S	54 USE
52 AGE	53 AS	53 VJ	51 COOPERATION
51 WHEN	49 PROCEDURES	48 CHECK	45 MIDDLE/FEPoy
45 CHANGE	42 YOU	42 STANDARDS	31 IT
37 CLAP	37 USING	35 F	31 PHASE
33 OFF-PY-1	31 CLUTCH	33 THAT	32 SHE
31 DRIVE	31 SWITCH	31 SWITCH	31 IFCLAC
31 ENGINE	30 UTILITY	30 UTILITY	29 S
29 APPLICABLE	27 PP	27 JAW	27 GROUND
29 IF	26 CLAMP-SHOVEL	26 PREFER	23 S-LAP
29 OFF	23 DROOL	23 CROWD	22 CALICO
21 CLAMPWELL	22 PREPARING	22 SHOVEL	21 SPLY
16 ATTACHING	20 ONE	19 ATTIC	17 M
16 HILLS	19 SHOULD	19 STOP	17 THROUGH
16 CLAP	16 BLOCK	18 BACK	18 IMPRO
17 CLAP	15 STARTING	15 ADJUST	17 CRANE
17 FORTIFICATION	17 INTERPRETING	17 INTO	17 TTS
16 DOWNSTATION	17 STICK	17 Td	17 TRANSMITTER
15 OPERATING	15 OPERATIONS	16 TRAN	15 AFTER
15 MOVING	15 CHANGE	15 ELECTRO-HYDRAULIC	15 7
14 MOVING	14 ABOVE	14 CLOSE	14 DRIVER
13 MOVING	13 ARE	13 IS	13 SLOWLY
13 CLAP	13 SUC	13 THE	12 STAGE
12 PREVENTIVE	12 UTILIZATION	12 WHILE	11 SPACES
11 CLAP	11 H	11 P-CP	11 251
11 CLAP	11 THEN	11 WHICH	12 ALLOWING
11 CLAP	11 FINGER	11 FLOW	12 CRANE
11 CLAP	11 PRESSURE	11 PREVENT	11 SLIGHTLY
11 CLAP	11 ANGLE	11 FLY	11 BLOCKS
11 CLAP	11 ELECTRICAL	11 GLOVES	11 SLOWLY
11 CLAP	11 OPEN	11 PLATE	11 MANUATIC
11 CLAP	11 TROTTLE	11 ADJUSTED	11 ADJUSTING
11 CLAP	11 CHECK	11 CLAMPING	11 CLAMP
11 CLAP	11 INSTRUCTION	11 MTU	11 CLAMPED
11 CLAP	11 INSTRUCTIONS	11 TRIP	11 TWO
11 CLAP	11 SWAYING	11 TRIP	11 ADDITIONAL
11 CLAP	11 UPPER	11 ASSISTANT	11 CLEAN
11 CLAP	11 AVIATE	11 FREE	11 IDENTIFIED
11 CLAP	11 FLUID	11 INDICATOR	11 ENTER
11 CLAP	11 INDICATED	11 PICKUP	11 CLUCK
11 CLAP	11 OPERATE	11 PICKUP	11 THEY
11 CLAP	11 STICK	11 SWAYING	11 6
11 CLAP	11 UNROLL	11 AUG	11 6

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FORT MONROE, VIRGINIA 23651

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WORD LIST BY PAGE

3	TM	4,1	24,1	20,1	9,2	7,2	725,1	4,5,1	381,52	331,14	250,1	62,140	57,1	45,1
3	TRANSFER	42,1	40,1	38,1	37,1	35,1	34,1	31,1						
3	TRANSMISSION	9,1	62,3											
3	TRENCH	8,2	62,5	9,1										
3	ACCORDING	62,2												
4	ACCUMULATION	62,11												
4	APPENDIX	62,1												
4	APPLICABLE	62,10												
4	CHOKE	62,2												
4	ENERGIZE	62,1												
4	IDENTIFIED	62,2												
4	ILLUSTRATED	6,1												
4	INFLATION	62,1												
4	INTERCHANGE	62,4												
4	INTERDEPENDENT	45,1												
4	INTERFERE	62,1												
4	INTERVENING	62,1												
4	PROCEED	62,6												
4	PROTRUDE	62,1	10,1											
4	SHUTOFF	62,1												
4	SNAP	62,1												
4	SPEED	62,14												
4	STEERING	62,3												
4	STOCKPILE	62,5												
4	STORAGE	62,1												
4	STRAIN	725,1												
4	STRATCH	22,1	24,1	23,1	62,5									
4	STRUCK	62,3												
4	TRANSPORT	62,2	9,1	7,1										
4	TREAD	5,1												
5	ABNORMAL	62,2												

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FORT MONROE, VIRGINIA 23651

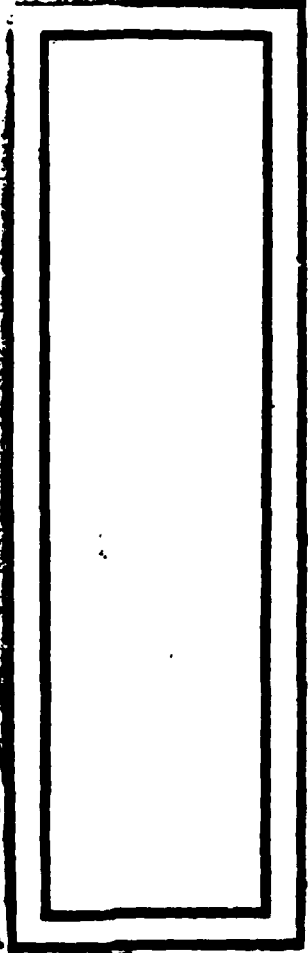
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176

MOS 62F 5014

WORDS FREQUENCY DISTRIBUTION 233 UNIQUE ITEMS 1,048 RECORDS

7	BACK
6	ALCUMDE
3	RANK
17	BE
1	REFN
1	BEFCPE
1	REJING
1	REWEEN
1	REYEND
1	RIGGER
6	RITE
14	ROCP
1	ROHM
22	BUCKET
6	RY
5	CAN
6	CABLE
1	CABLES
1	CAN
4	CAPICITY
2	CAPIER
1	CAST
1	CASTING
1	CAUSE
4	CAUTION
1	CAUTION
1	CENTER
1	CCME
3	CCMPN
2	CCPLETFD
4	CCNDITION
6	CCNSTRUCTION
1	CCNTINUOUSLY
2	CONTROL
4	CORRESPONDENCE
1	CU
4	CURIC
1	CUT
2	CYCLE
2	DAMAGE
3	DATA
1	DECREASE

4 DEPRESS
DEPRESSSED
DEATH
DEATH
2 DEATH

1 DIG
2 DIGGING
37 DIPPER
1 DIRECTLY

1 DO
DOES
DOES
3 DUMP
3 DUMP

2 DUNFED
10 DUMPING
4 DUMPING
5 FIFTH
4 FASE

2 EASING
17 EQUIPMENT
1 EXCAVATED
2 EXCAVATORS

1 EXTENDED
1 EXTENSION
5 F.P.
10 FEET
10 FIG

3 FILL
2 FILLED
2 FIRMLY
2 FEET
1 FOR

3 FORWARD
1 FULL
2 FULLY
2 GENTLY
4 GIVEN

1 GN
4 GCCD
1 HALF
4 HANDLING
1 MISPRISCHER

2	HAS
1	HAVE
2	HEIGHT
5	HIGH
1	HCF
1	HIST
3	HOLD
3	HOLDING
4	HYD
4	III
3	KEP
2	KEEPING
2	LEAST
4	LEFT
1	LENGTH
4	LESS
34	LEVEL
1	LEVER
6	LEVERS
6	LIFTED
5	LIFTING
2	LINES
3	LISTED
8	LO-C
5	LOADED
7	LOADING
4	LOCATED
1	LOW
4	LOWER
4	LOWERED
1	MC
1	MC
2	MC
4	MC
3	MC
1	MC
3	MC
3	MC
5	MC
3	MC
1	MC
3	MC
5	MC
5	MC
2	MC
1	MC
1	MC

1. MOUNTED
2. MEVE
3. MOVEMENT
4. MUST

1. NECESSARY
2. NIEL
3. NEUTRAL
4. NEVER
5. NUT

1. NO
2. NOT
3. NOTE
4. NUMBER
5. OUT

1. OVERTRIGGERS
2. OVER
3. PARKED
4. PASS
5. PASSES

1. PEDAL
2. PENALS

1. PERFORM
2. PERFORMANCE

1. PERFORMED
2. PERSONNEL
3. PILE
4. POINT

1. POSITION
2. POSSIBLE
3. PULL
4. PULLER
5. PULLING

1. PUSH
2. QUIETEN
3. QUART
4. RATION
5. RANGE

1. RICHES
2. REAR
3. REEL
4. REEF
5. REFERENCE

8 REFERENCES
4 RELEASE
1 REFUSING
2 REPLY
3 REQUIREMENT

3 RETRACT
4 RIGHT
2 RISE
1 ROTATION
1 RULES

2 SAME
3 SERVICES
1 SET
2 SEVEN
1 SIDES

~~1 PLANNED~~
3 SINGLY
1 SINGLY
2 SINGLY

11 SO
2 SOON
4 SUNCOURSES
2 TAILGATE
1 TAKE

1 TAKEN
1 TAPICE
2 TANGOUSLY
8 TASK
1 TAU

1 TEETH
2 TENSION
3 TIME
1 TICA
79 TO

7 TON
1 TOP
5 TOWARD
4 TYPICAL
1 T2

4 VAPY
4 VOLUME
1 W/CUMSHILL
1 WIDTH
9 WILL

4 WITHIN 8
3 11 HOUT
2 1000
1 1000
0 1000

WOFREQUENCY DISTRIBUTION
FREQUENCY/WORD

FREQUENCY/WORD

FREQUENCY/WORD

79	TC	37	DIPPER	34	LEVER	10	FIG
23	REAR	22	BICKET	18	PEDAL	27	PC
17	EQUIPMENT	17	TON	16	WITH	15	NOTE
14	RECM	14	PULL	14	RELEASE	13	CUMF
13	MAINTENANCE	13	MANUAL	13	REFER	12	PCRM
11	CU	10	FOR	12	MOUNTED	11	REFERENCE
8	CONSTRUCTION	10	DIPPING	12	HUIST	9	WILL
8	PUSH	8	LOAD	8	OVER	8	POSITION
7	LOADING	8	REFERENCES	8	TASK	7	BACK
6	BY	7	RAISE	6	BACKSIDE	6	RITE
5	WITHIN	6	CABLE	6	LIFTED	6	PERFORMANCE
5	HIGH	5	CLO	5	EARTH	5	FEET
5	MODEL	5	LIFTING	5	LOADED	5	MY
4	CAPACITY	5	PARKED	5	POINT	5	TOWARD
4	CUMIC	4	CAUTION	4	CONDITIONS	4	CORRESPONDENCE
4	GIVH	4	DEPRESS	4	DURING	4	EASE
4	LEFT	4	GOOD	4	HANDLING	4	ITI
4	HUST	4	LOCATED	4	LOWER	4	MAKE
4	PERFORMED	4	MINBER	4	OUT	4	PERFCPM
4	TYPICAL	4	PILE	4	RIGHT	4	SUBCOURSE
3	RANK	4	VARY	4	VOLUME	4	VARDS
3	DATA	3	CAT	3	COMMON	3	CENTRCL
3	DECR	3	DEPTH	3	DEPPICK	3	COKE
3	MEASURES	3	FILL	3	FORWARD	3	MOLL
3	PERJUTMENT	3	KEEP	3	LYCIED	3	MATERIAL
3	STIMULANEOUSLY	3	MINUTES	3	RAISED	3	RANCE
2	CYCLE	3	RETRACT	3	SERVICES	3	SEN
2	DIAGNOSIS	2	TIME	3	CARRIER	3	COMPLETED
2	EXTENDED	2	DAMAGE	2	DECREASE	2	REFSIPED
2	GRUTLY	2	FILLED	2	EASTING	2	EXCAVATORS
2	LEAST	2	HIS	2	FOOT	2	FULLY
2	NEVER	2	LYNES	2	HEIGHT	2	KEEPING
2	PEDALS	2	NO	2	MODELS	2	NEUTRAL
2	REFERR	2	POSSIBLE	2	NOT	2	CLTPIGERS
2	SEVEN	2	PISE	2	PULLING	2	REACHES
2	TWENTY	2	SITE	2	RULES	2	SINE
2	THIRTEEN	2	TENSION	2	SUCH	2	TAILGATE
1	BETWEEN	2	BEEN	2	WITHOUT	2	WORKED
1	CAN	1	BEYOND	2	BEFORE	2	RETAG
1	CUT	1	CUTTING	1	BIGGER	2	CABLES
1	DIFFERENTLY	1	CUT	1	CLUSE	2	CAVATION
1	FINALLY	1	EXCAVATED	1	COME	2	CONTINUOUSLY
1	FINALLY	1	FULL	1	DEPRESSED	1	CIG
1	HARDTSCHIFFER	1	WAVE	1	DO	1	DOES
1	LEIGH	1	LESS	1	EXTENSION	1	FAR
1	LOW	1	LOWFER	1	GO	1	HALF
1	WHEEL	2	MENT	1	WEE	1	HYD
				1	LEVEL	1	LEVERS
				1	MON	1	MACHINES
				2	MON	1	MORE

183

1 MESS
 1 HFL
 1 MICHMENT
 1 SINCE
 1 TAKE
 1 TEETH
 1 W/CLASHWELL

FREQUENCY/WORD
 1 MIVE
 1 NEXT
 1 PFL
 1 TAKEN
 1 TICH
 1 WIDTH

3 FREQUENCY DISTRIBUTION
 1 MIVENT
 1 PASS
 1 PSCHELL
 1 PELEASING
 1 TACE
 1 TOP
 1 WORK

DATE 0C226 13.0
 FREQUENCY/WORD
 1 NECESSARY
 1 PPSSES
 1 PULLED
 1 RETATION
 1 SINCE
 1 TOUT
 1 TO
 1 WORKIN

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TRANS
LNRECL
BLKSIZE

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80
8000

UPDATED RECORDS
LNRECL
BLKSIZE

108
32
3136

186

1	BACKHOE	62,6	45,1	37,2
1	BITE	62,3		
1	BUM	62,14		
1	BUCKET	62,21	37,1	
1	CABLE	62,6		
1	CABLES	62,1		
1	DIPPER	62,27	45,10	
1	EARTH	62,5		
1	LIFTED	62,6		
1	LIFTING	33,12	62,3	
1	LINES	62,2		
1	LOAD	62,8		
1	MAINTENANCE	38,11	62,2	
1	MANUAL	38,13		
1	OUTRIGERS	62,2		
1	TON	38,17		
1	VOLUME	33,14		
1	W/CLASHHELL	38,11		
2	CAPACITY	62,4		
2	CAUTION	62,4		
2	CUBIC	62,4		
2	DEPTH	62,2	37,1	
2	EQUIPMENT	62,5	38,14	33,8
2	EXCAVATED	62,1		
2	EXCAVATORS	62,2		
2	HYD	38,11		
2	LENGTH	62,1		
2	LEVER	62,25	45,6	37,3
2	LOWER	62,3	37,1	
2	MACHINE	62,1		
2	MATERIAL	37,1	62,2	
2	NEUTRAL	62,2		
2	PEDAL	62,15	45,3	
2	PEDALS	62,2		
2	PILE	62,4		
2	RAISE	62,6	37,1	
2	RAISED	62,3		
2	RETRACT	62,2	45,1	
2	ROTATION	62,1		
2	TASK	62,8		
2	WIDTH	62,1		
3	CARRIER	62,2		
3	CAST	62,3		
3	CASTING	62,1		
3	CONDITIONS	62,4		
3	CONSTRUCTION	62,4	33,14	
3	CONTROL	45,1	37,1	62,1
3	DERRICK	38,13		
3	EXTENDED	62,2		
3	EXTENSION	62,1		

3	FIG	45,1	37,1	381,8	62,20
3	MOIST	381,3	62,5	45,2	
3	MOUNTE	391,11			
3	PERFORM	62,4			
3	PERFORMANCE	62,1	45,1	381,4	
3	PERSONNEL	62,1			
3	PRINT	62,5			
3	POSITION	62,8			
3	REEL	62,1			
3	REQUIREMENT	62,3			
3	RISE	62,1	45,1		
3	SERVICES	62,3			
3	SIMULTANEOUSLY	62,2	37,1		
3	TEETH	62,1			
3	TENSION	62,2			
3	CONTINUOUSLY	62,1			
3	DATA	62,3			
3	DEPRESS	62,4			
3	HARTSCHPEGER	391,1			
3	HEIGHT	62,2			
3	MODEL	381,3			
3	MODELS	381,2			
3	PERFORMED	62,4			
3	REFERENCE	62,1			
3	RELEASE	37,1	62,12	45,1	
3	RULES	62,2			
3	TAILGATE	62,2			
3	CORRESPONDENCE	62,4			

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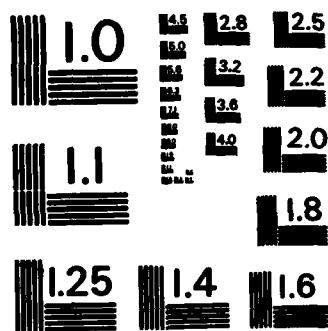


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- 1

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

1	CLOSING
12	CLUTCH
19	CRATE
5	C-ABLE-SWIVEL
2	CHANGES
4	CHALLER
2	CHORD
1	CHECKED
4	C
2	DRAG
3	DRAGGING
2	DRAGLINE
2	DRUM
1	DRIPPING
45	DRUM
3	DRUM
4	F
1	EMPTY
3	ENGAGE
2	ENGINEER
4	EDGE
3	ENOUGH
2	F
1	FLOPPING
20	FR
3	FRONT
73	FRONT
1	G
1	GRABUALLY
3	GROUND
3	IF
1	IMPARTANT
14	IN
1	INCHES
4	INSTALLED
1	INSTRUCTION
1	INTERVENING
3	INTU
20	IS
6	IT
2	ITS
1	MTD
1	OBSTACLES
1	DESTRUCTIONS
74	IF

STRUCK	1
SWIM	1
SWING	34
SWINGING	4
SWINGS	1
SWITCH	1
TO	2
THAN	3
THAT	6
THE	152
THIEF	1
TO-EV	1
THIS	1
TH	32
TRENCH	2
TRIP	1
TAK	1
TRUCK	13
TRUCKS	2
UNDER	1
UNLOADS	1
UNTIL	3
UNWINDING	1
UP	4
USE	4
USED	1
UTILIZATION	2
WHEEL	3
WHEEL	17
WHICH	2
WHILE	2
YD	11

192

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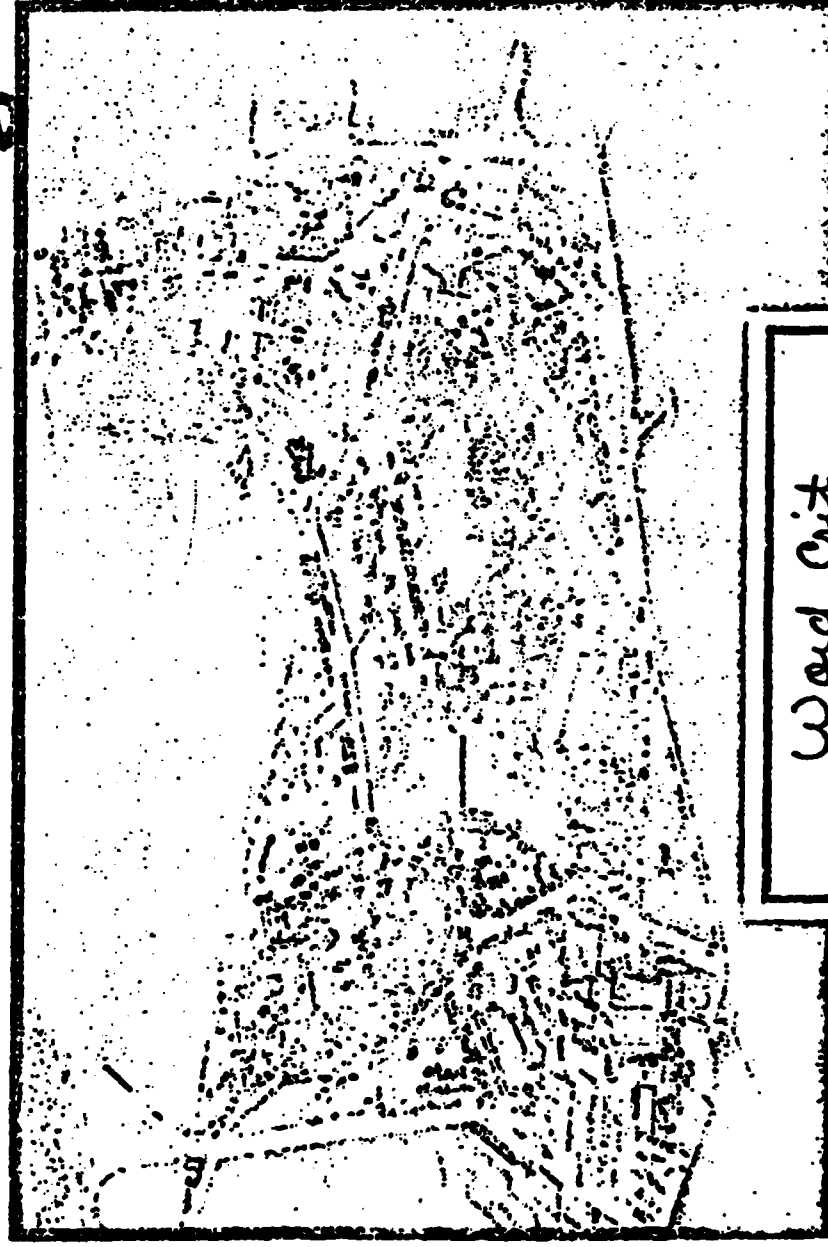
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APPENDIX 8

ENGLISH LANGUAGE STRUCTURES AND LEXICON

The following list is included as an addition to the structural and lexical list. These structures and lexical items are very basic.
(See Section II for discussion.)

LIST OF LEXICAL AND STRUCTURAL ITEMS FOR ENGLISH LANGUAGE STRUCTURES

Sentences:

- | | |
|------------------|-------------------------|
| A. Declarative | statement |
| B. Interrogative | question |
| | 1. wh- questions |
| | 2. tag questions |
| | 3. yes/no questions |
| C. Imperative | command, polite request |
| D. Exclamatory | exclamation |

Sentence Complexity:

- | | |
|---------------------|---|
| A. Simple | one full subject and predicate |
| B. Compound | two or more independent clauses joined by: |
| | 1. punctuation |
| | 2. punctuation and conjunctive adverb |
| | 3. coordinate conjunction |
| C. Complex | one or more dependent clauses and an independent clause |
| D. Compound-Complex | two or more independent clauses and one or more dependent clauses |

Verbs:

- | | |
|----------------------------|---|
| A. Concord | subject-verb agreement |
| B. Transitive | takes an object |
| C. Intransitive | doesn't take an object |
| D. Copula | to be |
| E. Linking | connectors |
| F. Auxiliaries of tense | will, do, did |
| G. Auxiliaries of modality | should, ought to, must to, have to, have got to, able to, can, may, might, could, would |
| H. Tense | present, past |
| I. Aspect | perfect, progressive |

Verbal Forms:

- | | |
|-----------------------|---------------|
| A. Present Participle | active voice |
| B. Past Participle | passive voice |

Voice:

- | | |
|------------|----------------------------|
| A. Active | subject does action |
| B. Passive | subject does not do action |
| | 1. agent expressed |
| | 2. agent not expressed |

Nouns:

- | | |
|---------------|-----------|
| A. Singular | man, pen |
| B. Plural | men, pens |
| C. Count | chairs |
| D. Mass | flour |
| E. Possessive | soldier's |
| F. Collective | fish |

Adjectives:

- | | |
|-----------------------------|---------------------------|
| A. Predicative | The tank is green. |
| B. Attributive | The green tank is moving. |
| C. Degrees of comparison | |
| 1. regular | big, bigger |
| 2. irregular | worse, worst |
| D. Ordinal/Cardinal Numbers | first, one |

Adverbs:

- | | |
|-------------------|-------------------------|
| A. Time/Frequency | immediately, today, ago |
| B. Place/Position | here, there, everywhere |
| C. Manner | maybe, possibly |
| D. Negative | no, never |
| E. Comparison of | nearest, harder |
| F. Degree | thoroughly, completely |

Articles:

- | | |
|---------------|-----------|
| A. Definite | a, the |
| B. Indefinite | any, some |

Pronouns:

- | | |
|------------------|---------------------|
| A. Personal | you |
| B. Demonstrative | that |
| C. Indefinite | anybody, both, each |
| D. Reflexive | himself, yourself |
| E. Cases of | I, me, my, mine |
| F. Relative | who, whom, whose |
| G. Interrogative | who, which, what |

Conjunctions:

- | | |
|-----------------------|------------------------------|
| A. Coordinating | and, but, or, nor |
| B. Subordinating | because, if, as, that, after |
| C. Correlative | either, or |
| D. Conjunctive adverb | therefore, furthermore |

Prepositions:

A. Simple

- | | |
|----------------------------------|------------|
| 1. place | on, in |
| 2. time | in, at, on |
| 3. direction/motion | to |
| 4. manner/agent/
instrument | by, with |
| 5. measurement/
number amount | of |

B. Compound:

according to, because of, by means

Vocabulary:

words from 1100 through 2400 -
Elementary and Intermediate Phase of General
English materials

Special Expressions/Idioms

"knock it off" "can it, buddy"

Verb Combinations

two word verbs